Krisolis

EMPOWER / INNOVATE / EVOLVE

Your Data Journey Starts Here

And Krisolis will be with you at every step of the way.

About Krisolis

Rather than simply providing standard training courses in data science and AI, we combine our skills as leading analytics experts with a sharp focus on our clients to deliver what they need.

We work hard to understand your business, where it has come from and where it's going. Our experience as both **practitioners and academics** means we're uniquely positioned to **partner with you to achieve your learning objectives** by coaching and supporting individuals, teams, departments and the entire organisation.

Vision & Mission

At Krisolis we **empower** you to **innovate** and **evolve** through every stage of your data journey.

Our mission is for **our team to become a part of your team.** Through **training mentoring** and **consulting,** our flexible approach means that we're able support you using a variety of methods, always staying focused on your objectives.

"

"**We work alongside you and your organisation to foster a culture of innovation and excellence using the latest tools in data science and AI"**

Aoife D'Arcy
Krisolis CEO

What we offer

✔ **Customised Training Progammes**

✔ **Mentorship Programmes**

✔ **Consultancy**

✔ **Strategy Devlopment**

The Krisolis Approach to Learning

Each of our training courses and programmes considers three core elements: **Theory, Tools and Application**.

Each are approached separately and blended in a way that means **learnings can be confidently applied once back in the workplace**, and easily transferred as technologies change.

ADVANCED THEORY

BEST PRACTICE

APPLICATION TO A BUSINESS DOMAIN

TOOLS TRAINING

Choose from or combine

- ✔ **Classroom-based Learning**
- ✔ **Facilitated Workshops**
- ✔ **Coaching and Mentoring**
- ✔ **Face to Face or Online Support**

Academies and Accredited Programmes

Our **academies** and **accredited programmes** are designed to support your organisation through its Data and AI journey.

Our delivery can **range between 4 and 16 weeks**, depending on which programme you choose, so it provides a substantial opportunity to address your team's critical learning needs, develop skills and close knowledge gaps, **all delivered by our expert team and faculty.**

Customised Training and Learning Paths

Our customised learning paths are **flexible learning programmes** that are **tailored to your needs** and utilise a **range of learning approaches** to ensure we always stay focused on the objectives of your teams and organisation.

Standard Training Courses and Workshops

Each of our courses is **designed to work as a standalone piece of learning or can be combined** with multiple courses, facilitated workshops, mentoring and coaching and other learning-beyond-the-classroom initiatives to ensure engaging and rewarding learning paths.

Adoption

One of the central principles of our training programmes is ensuring that skills and knowledge learned with us are **applied effectively within your business.**

To ensure this we offer a variety of courses for **business leaders, programme managers and decision makers** that ensure that data solutions created by more technical teams can be **easily adopted across the organisation.**

Topics covered include:

- Artifical Intelligence (AI) and its applications
- How to get the best from your data
- How to embed effective work practices to allow your team to work well together

Fundamentals

Our Fundamentals courses demonstrate how you can **put this generation's most powerful business tools to work** for you.

Topics covered include:

- Effective Data Visualisation
- Business Analytics
- Introduction to Programming with R / Python / SQL
- Data Tools and their Applications
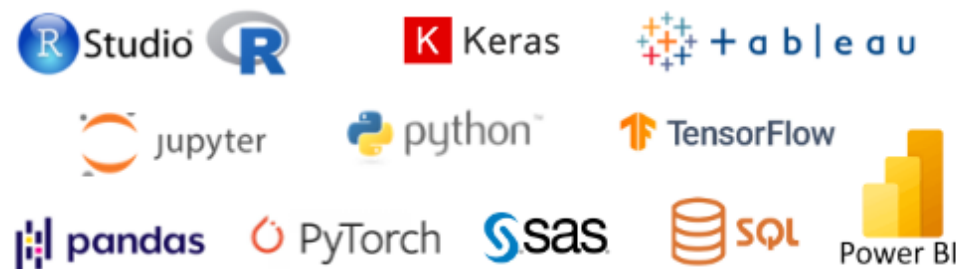- Data Preparation and Pre-Processing

Advanced

Our Advanced courses are designed to help you and your team **evolve your existing data, machine learning and artificial intelligence skills** using the most up to date and advanced tools available.

Topics covered include:

- Deep Learning
- Machine Learning
- Generative AI
- Big Data
- Time Series Analysis
- Natural Language Processing
- Network Analytics
- Anomaly Detection
- Reinforcement Learning

Technologies We Use:

All of our course material can be **customised** to best suit your training needs and to ensure **engaging** and **rewarding** learning paths.

Customised Training and Learning Paths

> "All of our course material can be **customised** to best suit your training needs and to ensure **engaging** and **rewarding** learning paths."

Aoife D'Arcy
Krisolis CEO

Companies can **integrate any combination of our courses, workshops and adoption offerings** to create the most effective learning solution for your teams.

You can **focus on the skills requirements** within your organisation, across different roles and areas of your business.

Managers can adjust the program design to **suit the timelines and budget available** to your teams, departments and organisation.

Our customised learning paths allow your organisation to create **role based learning journeys** designed to upskill staff and **empower them to implement the strategic goals** of your organisation.

Each role has different learning needs and will engage with data driven solutions for different reasons. Some will need to design and build those data driven solutions, while others will need to use these solutions to improve business outcomes.

Our learning paths are **custom built to meet your organisational needs**. This in turn will lead to an **enriched use of data science, analytics, machine learning and AI** across your organisation.

Graduate Programme

What will I learn?

- ✓ Understand the terms and terminology used in data science, machine learning and AI setting.

- ✓ Understand the process of managing data driven projects to achieve effective business outcomes.

- ✓ Understand the fundamental programming techniques for developing code-based solutions.

- ✓ Understand how to conduct exploratory analysis on your data and assess its quality.

- ✓ Frame business problems as ML problems and solve them using appropriate techniques.

- ✓ Understand how to prepare data for input into machine learning models.

- ✓ Understand the fundamental theories of machine learning, and the most important machine learning approaches.

- ✓ Understand how to apply machine learning techniques to deliver impact and develop a data driven solution for an appropriate business problem.

Role Description

Graduates will embark on an exciting journey of discovery and innovation in the field of data science, machine learning and artificial intelligence. This role is designed to build upon their academic knowledge by **immersing them in practical, real-world applications of data driven technologies**.
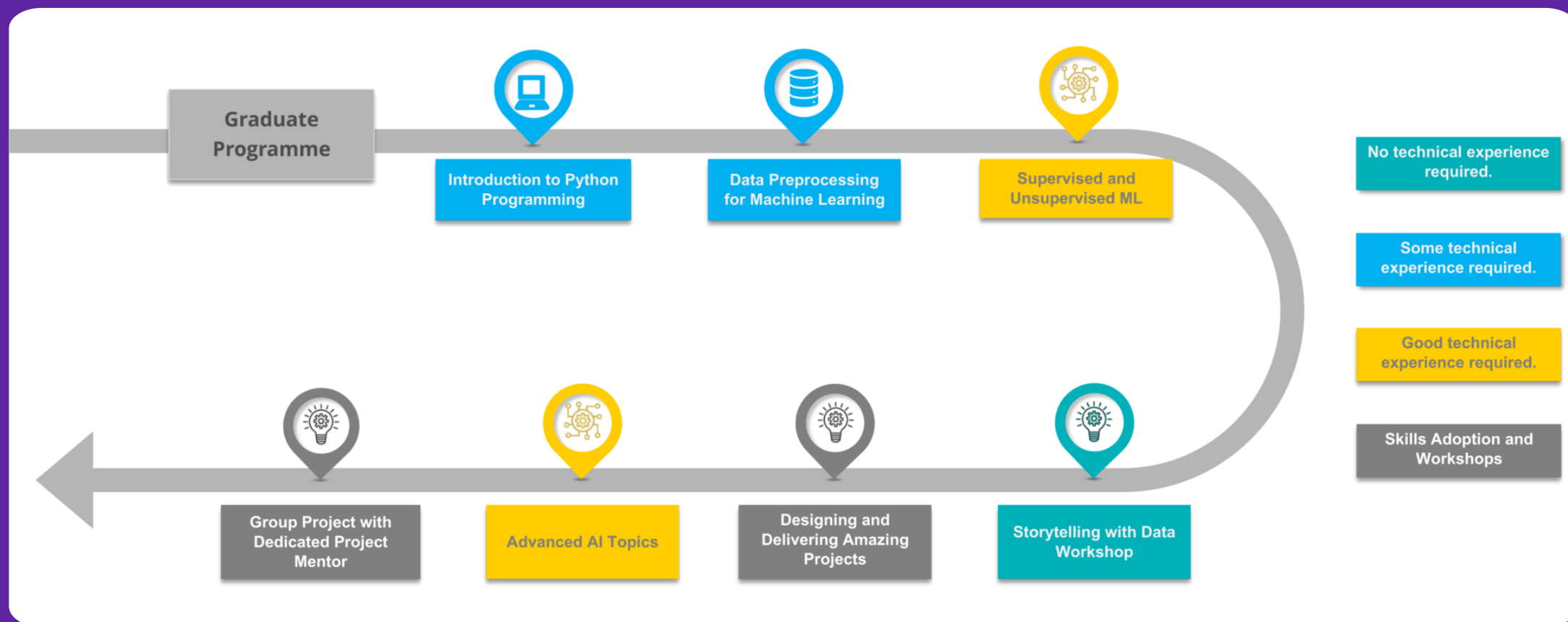
They will learn to manipulate and refine data, engage with machine learning algorithms, and apply their skills to solve complex problems across various industries. This learning path offers a blend of classroom training, mentorship, hands-on projects, and continuous learning opportunities, equipping you with the tools necessary to evolve into a proficient AI professional.

Their work will **directly contribute to advancing AI initiatives, enhancing product functionalities, and driving technological growth** within their organization. This comprehensive learning path ensures they stay at the **forefront of industry trends and best practices.**

✉ **To find out more about this course send us an email at info@krisolis.ie**

Graduate Programme

Sample learning path for a **Graduate Programme:**

Graduate Programme

Introduction to Python Programming

Data Preprocessing for Machine Learning

Supervised and Unsupervised ML

Group Project with Dedicated Project Mentor

Advanced AI Topics

Designing and Delivering Amazing Projects

Storytelling with Data Workshop

No technical experience required.

Some technical experience required.

Good technical experience required.

Skills Adoption and Workshops

Dashboard Developer

What will I learn?

- Understand the fundamentals of storytelling and know the attributes of a good data storyteller.

- Understand how to design and build a narrative for a presentation, dashboard or report using storyboarding techniques.

- Know how to choose the right visualisation type for the job at hand.

- Understand how to design and build data visualisations that can be used to effectively communicate actionable insights from data.

- Design and develop interactive dashboards that people will love to use.

- Have used their skills to create an interactive dashboard within their own organisation.

Role Description

Dashboard Developers specialise in designing and developing **interactive, data-driven dashboards** that effectively represent key metrics and performance indicators visually for an organisation.

This role involves gathering user requirements, selecting appropriate data visualisation tools, and creating accessible dashboards that **provide actionable insights**. The Dashboard Developer ensures that these tools are intuitive and user-friendly, **allowing stakeholders to make informed decisions quickly based on real-time data**.
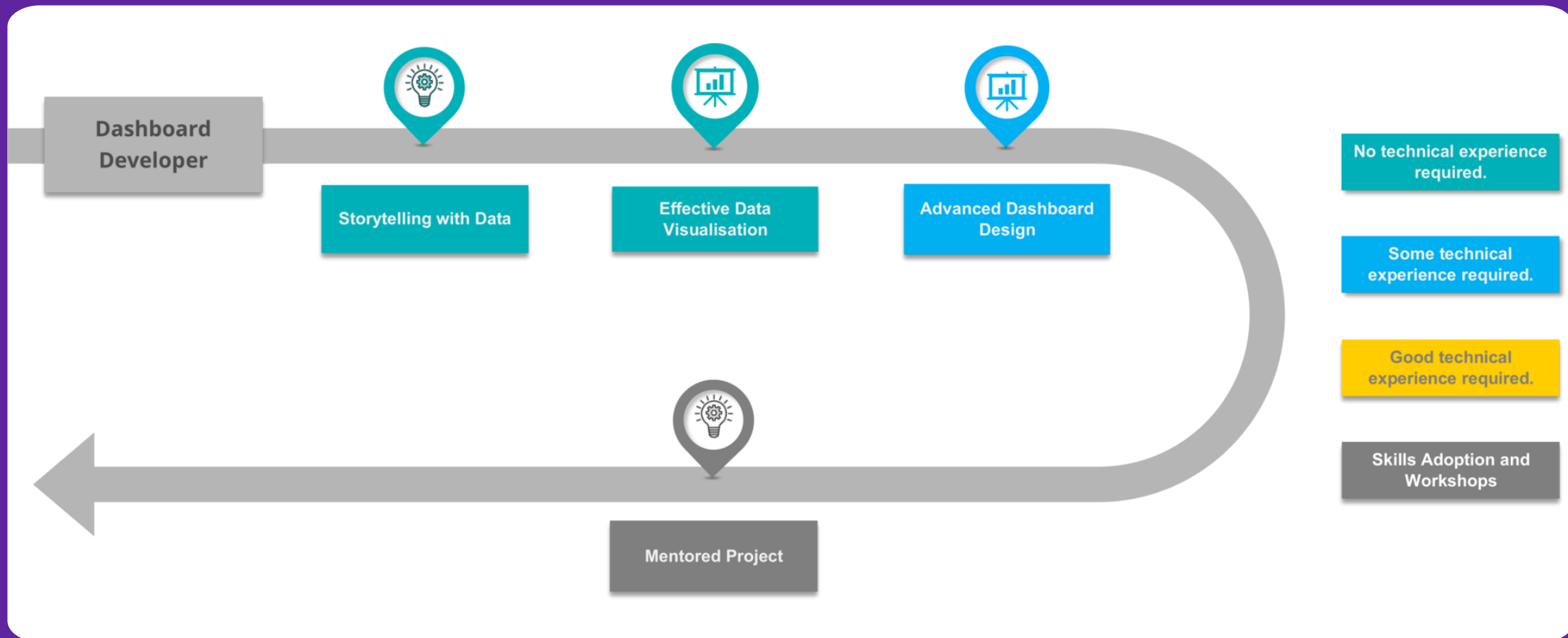
This learning path will allow Dashboard Developers to gain the skills **to bridge the gap between complex data sets and business outcomes.**

To find out more about this course send us an email at info@krisolis.ie

Dashboard Developer

Sample learning path for anyone that wants to become a **Dashboard Developer**:

Dashboard Developer

Storytelling with Data

Effective Data Visualisation

Advanced Dashboard Design

Mentored Project

No technical experience required.

Some technical experience required.

Good technical experience required.

Skills Adoption and Workshops

Data Analyst

What will I learn?

- Understand the terms and terminology used in a data science setting.

- Understand the fundamental programming techniques for developing code-based solutions.

- Understand how to conduct exploratory analysis on your data and assess its quality.

- Understand how to manipulate data and prepare it for analysis.

- ·Identify trends, detect outliers, and summarise datasets concisely.

- Know how to conduct a statistical analysis to understand the relationships and trends that lie within the data.

- Apply all of their learnings in a business focused project.

Role Description

Data Analysts play a crucial role in **interpreting data** to help organisations make informed decisions. Their responsibilities encompass **collecting data from various sources, processing and cleaning it** to ensure accuracy, and conducting in-depth analysis to **uncover trends and insights**.
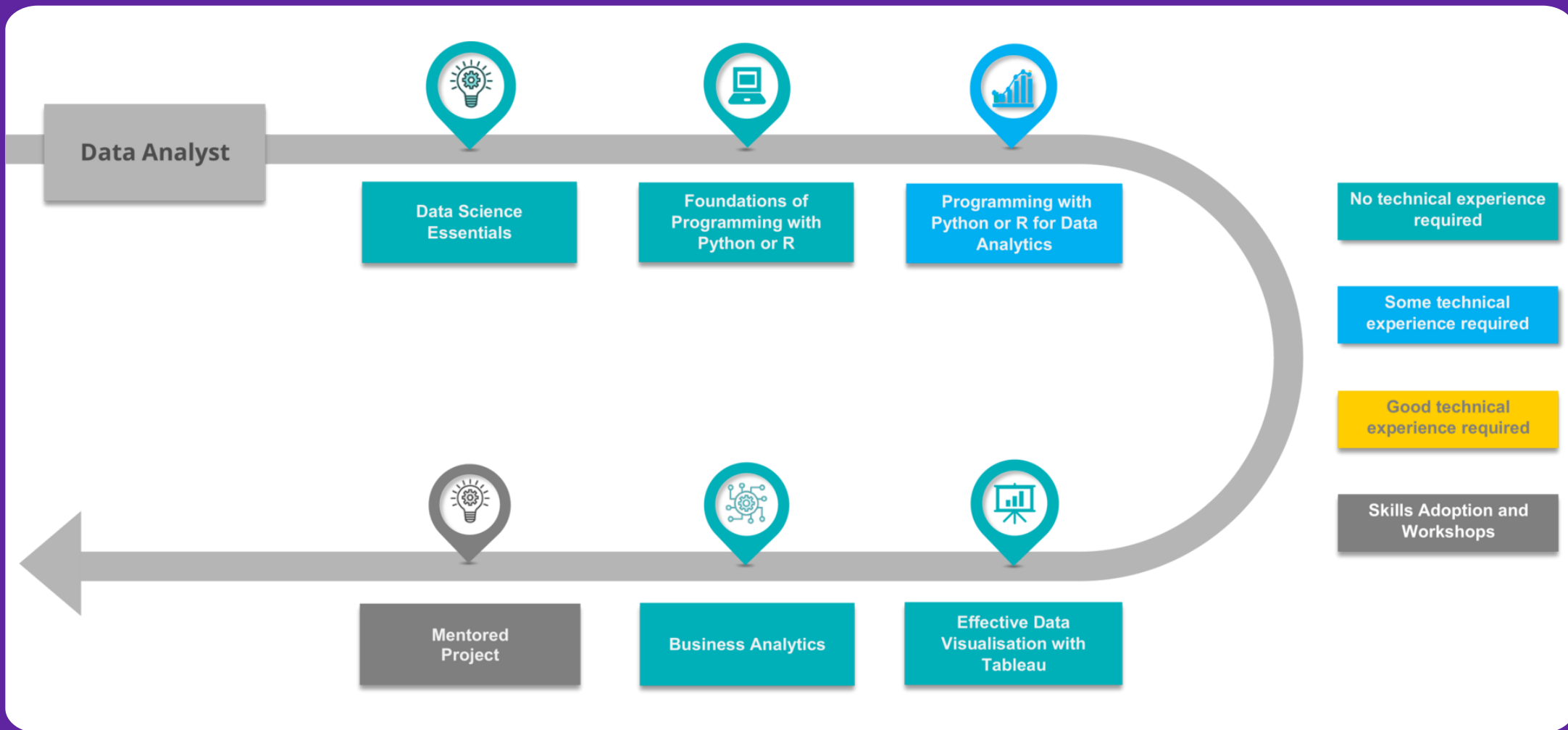
By applying statistical techniques and creating clear visualisations, they provide **data driven insights** that can **significantly influence business outcomes**. Data Analysts must possess strong analytical skills and the ability to communicate complex findings effectively to non-technical team members.

This learning path equips Data Analysts with **advanced analytical tools and techniques,** keeping them abreast of the latest industry practices and enhancing their capabilities in data-driven decision making.

To find out more about this course send us an email at info@krisolis.ie

Data Analyst

Sample learning path for anyone that wants to become a **Data Analyst**:

Data Analyst

Data Science Essentials

Foundations of Programming with Python or R

Programming with Python or R for Data Analytics

No technical experience required

Some technical experience required

Good technical experience required

Skills Adoption and Workshops

Mentored Project

Business Analytics

Effective Data Visualisation with Tableau

AI Engineer

What will I learn?

- ✓ Frame business problems as ML problems and solve them using appropriate techniques.

- ✓ Understand the process of managing ML projects to achieve effective business outcomes.

- ✓ Understand how to prepare data for input into machine learning models.

- ✓ Understand the fundamental theories of machine learning, and the most important machine learning approaches.

- ✓ Understand the fundamentals of time series forecasting and how ML can be used in a time series capacity.

- ✓ Understand the potential AI solutions that can be built by utilising text data and natural language processing and the problems that they solve.

- ✓ Understand the fundamental ideas behind Generative AI, the importance of its application and how to develop Generative AI solutions.

- ✓ Understand the key ideas in reinforcement learning and how to create solutions using these techniques.

Role Description

AI Engineers actively engage in the **creation and improvement of machine learning models** to address complex business needs.
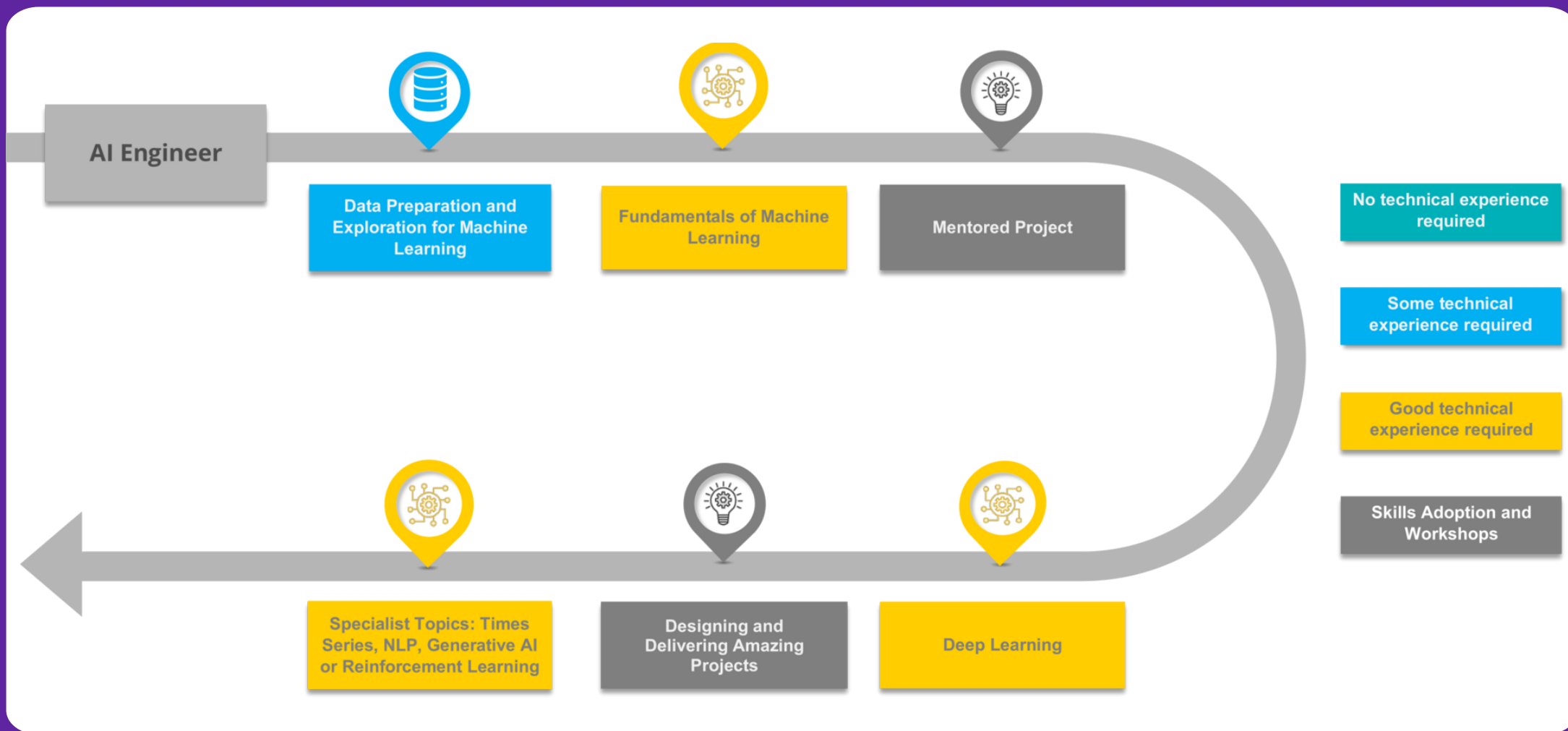
Their responsibilities include **designing AI solutions, processing and analysing large data sets, and developing algorithms** that drive innovation across their organisation. They will also need good communication skills to collaborate with diverse teams while integrating AI technologies to enhance organisational outcomes.

This leaning path will allow AI Engineers to continuously **update their skills with the latest trends and methodologies** in AI research.

✉ **To find out more about this course send us an email at info@krisolis.ie**

AI Engineer

Sample learning path for anyone that wants to become an **AI Engineer**:

AI Engineer

- Data Preparation and Exploration for Machine Learning
- Fundamentals of Machine Learning
- Mentored Project
- Deep Learning
- Designing and Delivering Amazing Projects
- Specialist Topics: Times Series, NLP, Generative AI or Reinforcement Learning

Legend:
- No technical experience required
- Some technical experience required
- Good technical experience required
- Skills Adoption and Workshops

Senior Leader

What will I learn?

- Understand the terminology and concepts surrounding Artificial Intelligence.

- Recognise the ethical and regulatory considerations when applying AI solutions.

- Understand the importance of governance, consistency and quality surrounding the use of AI.

- Identify opportunities that AI solutions may support in your business area.

- Be better equipped to lead the development and execution of an Analytics and AI roadmap that aligns with your organization's strategic goals

Role Description

Senior Leaders are pivotal in **steering the strategic direction and fostering a culture of innovation** within their organisations.
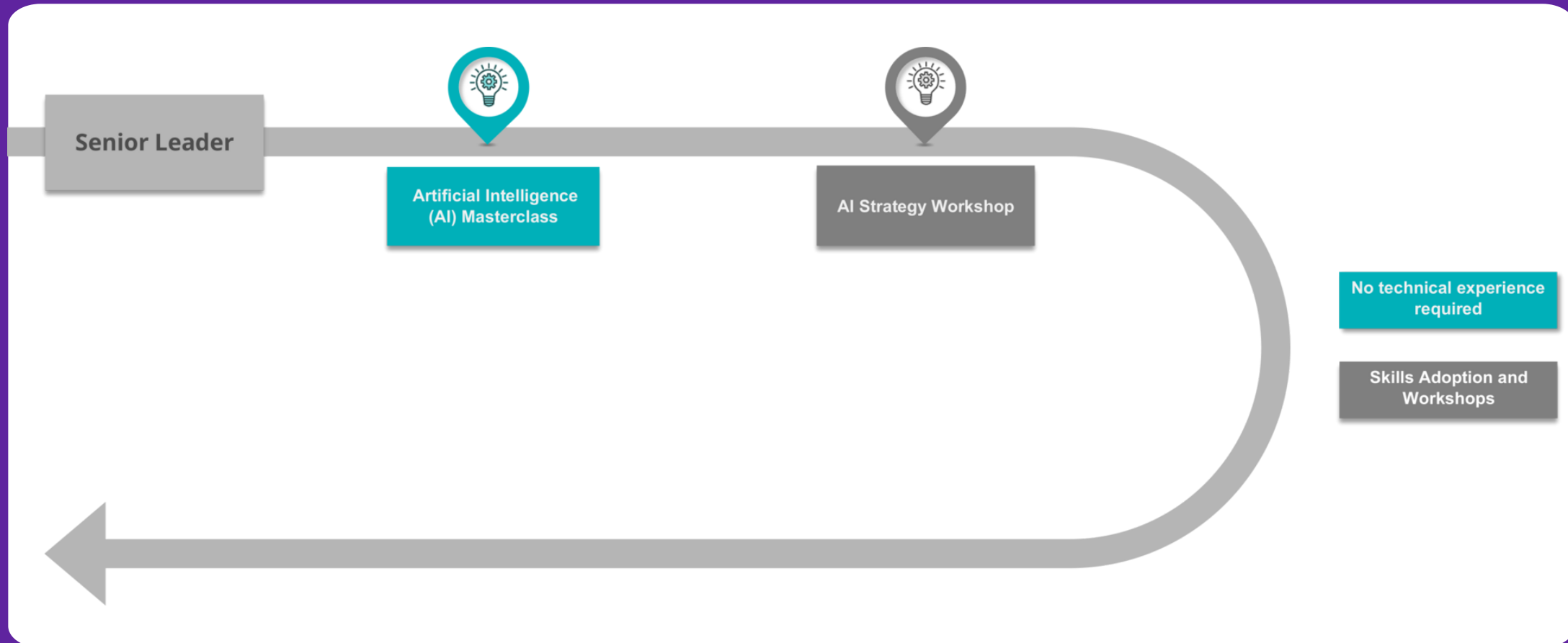
They are responsible for setting long-term goals, making critical business decisions, and leading cross-functional teams to achieve desired outcomes. Their role involves **not just oversight but active participation** in mentoring and developing talent, managing key stakeholder relationships, and ensuring alignment of projects with the overall organisational strategy. Senior Leaders must excel in communication and leadership skills to inspire and motivate their teams.

This learning path equips Senior Leaders with **advanced leadership techniques** and **strategic management skills,** keeping them at the **forefront of industry trends** and **organisational management practices.**

To find out more about this course send us an email at info@krisolis.ie

Sample learning path for **Senior Leaders:**

Senior Leader

Artificial Intelligence (AI) Masterclass

AI Strategy Workshop

No technical experience required

Skills Adoption and Workshops

Contact Krisolis

To discuss your team's skills development, and how to make the best use of our training, mentoring and consultancy services please contact us using the following:

✉ info@krisolis.ie

➤ www.krisolis.ie

📞 + 353 1 234 2412

in LinkedIn

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