

This map guides you through exciting TECH **CAREER** pathways, highlighting essential skills to deepen your expertise, expand into related fields, or pivot to new roles.

### **STEP 1: Choose Your Path!**

Start at the center. Select one area:

- Cybersecurity
- Data Science & Analytics
- Programming & Automation
- AI & Machine Learning

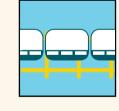
### **STEP 2: Explore Core Skills**

If you are new to this area, consider focusing on the Core Skills first. Scan the QR code to discover TP courses that can help you develop these core skills.

### OR

### **STEP 3: Customize Your Journey**

If you already have strong fundamentals or experience in this area, choose your next step to further develop your skills:



• **DEEPEN:** Advance your knowledge in your current area.



• **EXPAND:** Explore related fields to broaden your expertise.



• **PIVOT:** Transition into a new area within the Al landscape.

### **STEP 4: Start Learning!**

Scan the QR code to discover TP courses & learning opportunities!

## SCAN ME!



PIVOT TO

Prompt Engineering

Model Deployment

Al Developer

Data Analytics

- Software Lifecycle
- Automation Tools
- DevOps Engineer

Low-Code Platforms

**EXPAND TO** 

Cybersecurity Fundamentals

Data Analytics Fundamentals

• Al & Gen Al

# **CYBERSECURITY**

### **CORE SKILLS:**

- Systems & Network
- Governance
- Cybersecurity Fundamentals Risk Management
- Cloud Computing

# DEEPEN TO

**PROGRAMMING** 

**& AUTOMATION** 

**CORE SKILLS:** 

• Low-code Platforms

Workflow Automation

Python Programming

- Cloud Security
- Cloud Solutioning
- Cloud Operations
- Systems & Network
- Digital Forensics
- Vulnerability
- Assessment
- Security Testing

**DEEPEN TO** 

Advanced App Development

External System Integration

Cloud Computing

Incident Response

# START HERE

- Programming, ML Model Development
- Cloud Storage/Management
- Low-Code Platforms
- Gen Al Tools

### Business **Analytics:**

- Business Intelligence Tools
- Dashboards
- Business-Focused Analytics

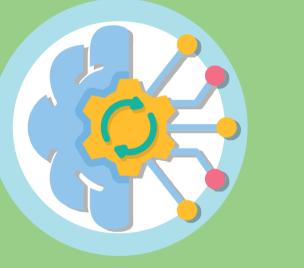
### **Financial Analytics:**

- Financial Modelling
- Risk Analysis orecasting

### AI & GEN AI:

- Python
- ML frameworks
- Data engineering
- Data Security

# Machine Learning Predictive Analytics



**DATA SCIENCE** 

Data Cleaning
 Statistical Analysis

Data Visualisation
 Data Storytelling

**& ANALYTICS** 

Advanced Data Modelling

**CORE SKILLS:** 

# **PIVOT TO**

- - (Data Visualisation, Storytelling, Interpretation)
- Business-Centric Al Analytics

# AI & MACHINE **LEARNING**

## **CORE SKILLS:**

- Machine Learning Al Model Training
- Data Engineering
  - Prompt Engineering
- Python Programming
  Al Ethics & Governance

# **DEEPEN TO**

- Natural Language Processing
- Model Optimisation
- Cloud Computing
- Retrieval Augmented Generation (RAG)



 Cybersecurity **Fundamentals** 







