EMPLOYEE DATA SCIENCE TRAINING

e 300

per
person

Available To:

UK manufacturing businesses with fewer than 215 employees. Looking to add data science into their business.

Suited to your employees with:

- · Maths A-level
- Interest in (or knowledge of) Python

We're offering:

- Part-Time Bootcamps (20 hrs per week)
- 90% funded by DfE (you only pay 10%*)
- Choose either (or both) Bootcamp courses
- 14-Weeks duration per Bootcamp
- Up to 4 staff members per Bootcamp

*Equivalent to £300 per person (or £11 per training day, per person)

About the training:

BOOTCAMP 1:

Robotic Process Automation (RPA)

Starting with an overview of RPA concepts, this course then build learning into Desktop, Web, and Unattended Automation processes.

Rounding off with AI Integration training. And a final project to assess the skills knowledge & behaviour learnt in the bootcamp.

BOOTCAMP 2:

Deep Learning and Foundation Models (DLFM)

This training covers introduction to, understanding of, and fundamentals of DLFM.

Leveraging pre-trained language, vision and multimodal models. We also cover responsible AI and Ethics as well as fine-tuning foundational models and hands-on experience with prompt programming.

Each module of these two Bootcamps offers 'hands-on' experience to ensure training is embedded and easily applicable to your business.

Provided by:







Let's talk!

For more details about the training, the funding, and the pre-course tasks for any employees, please contact:



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BOOTCAMP 1: Robotic Process Automation (RPA)

Starting with an overview of RPA concepts, this course then build learning into Desktop, Web, and Unattended Automation processes.

Rounding off with AI Integration training. And a final project to assess the skills knowledge & behaviour learnt in the bootcamp.

Module 1- Overview of RPA concepts

- RPA architecture & components
- Automation lifecycle assess, build, test, deploy, manage
- Hands-on Lab Intro to RPA tool

Module 2 - Desktop Automation

- · Recording robots
- · Configuring & enhancing desktop flows
- Exception handling & error management
- Hands-on Lab Build first desktop automation

Module 3 - Web Automation

- Identifying elements, sequences, data scraping
- · Dealing with dynamic web pages
- Hands-on Lab Browser-based automation

Module 4 - Unattended Automation

- Attended vs. unattended automations
- · Scheduling and triggers
- Integrating bots with systems & data
- RPA administration & governance
- Hands-on Lab Attended automation
- Hands-on Lab Unattended automation

Module 5 - Al integration

- · Analytics and monitoring
- · Roadmap & strategy
- Hands-on Lab Automation challenge

Final project

 Summative assessment, experiment & apply skills knowledge & behaviour learnt in the bootcamp

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BOOTCAMP 2: Deep Learning and Foundation Models (DLFM)

This training covers introduction to, understanding of, and fundamentals of DLFM. Leveraging pre-trained language, vision and multi-modal models.

Module 1: Introduction to Foundation Models

• Understand foundation models & their applications

Module 2: Deep Learning Fundamentals

 Learn about neural networks, activation functions, backpropagation

Module 3: Neural Networks for NLP

 Understand the usage of word embeddings, RNNs, LSTMs for NLP

Module 4: CNNs and Computer Vision

Learn how to use CNNs for image classification & segmentation

Module 5: Transforms & Self-Attention

 Understand transformer architectures & multiheaded self-attention

Module 6: Transfer Learning

 Gain knowledge on leveraging pretrained models & learning across tasks

Module 7: Pretrained Language Models

 Understand models like BERT, GPT-3, their benefits, & limitations

Module 8: Pretrained Vision & Multi-Modal Models

· Learn about DALL-E, CLIP, & combining modalities

Module 9: Accessing & Using Foundation Models

Get hands-on experience with APIs, model catalogues, platforms

Module 10: Responsible AI & Ethics

• Mitigating biases, ensuring fairness

Module 11: Fine-tuning Foundation Models

· Strategies for adapting models to new tasks

Module 12: Future Programming Using Large Language Models

 Hands-on experience with prompt programming, chain-of-thought

Each module of these Bootcamps offers 'hands-on' experience to ensure training is embedded and easily applicable to your business.

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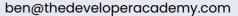




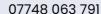


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