{code**nation**}®

Software in the Modern Workplace Skills Bootcamp

Ready to build in-demand tech skills that can set you apart in today's job market or support internal career progression?

Course Overview:

Our **Software in the Modern Workplace** Skills Bootcamp will teach you coding essentials through Python, giving you the power to extract, analyse, and automate data efficiently.

You'll learn key programming concepts like data manipulation, automation, and scripting, and apply them in hands-on projects that solve real-world problems.

With a mix of Pro Code, Low Code, and No Code tools, you'll gain versatile skills for every situation—whether it's creating custom analytics pipelines in Python, automating tasks with Power Automate, or integrating processes without any programming.

By the end of the bootcamp, you'll have the skills to streamline workflows, uncover valuable insights, and support data-driven decisions, making you an asset to any modern workplace.

Course Information:

- **FULLY funded** by Enterprise Cheshire & Warrington!

- Delivered remotely **1 day per week** over 14 weeks, 09:30am-17:30pm

- Participants must be 19+ unemployed or self-employed and live in Cheshire & Warrington

- No chalk and talk! Participants undertake **hands-on projects** to build real-world solutions

- Employability support for up to 6months post bootcamp, including **guaranteed interview**!

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Course Summary : Key Highlights

- **Python Fundamentals (Weeks 1–6)**
  - Course onboarding and introduction to Python: syntax, data types, and applications.
  - Understanding qualitative vs. quantitative data and selecting appropriate visualisations.
  - Exploring data properties, methods, and version control best practices.
  - Implementing variables, selection, loops, and data constructs.
  - Using functions and libraries to create efficient, interactive programs.

- **Data Handling & Visualisation (Weeks 7–8)**
  - Introduction to Pandas: creating, modifying, and accessing data frames.
  - Data cleaning in Pandas and visualising data using Matplotlib.

- **Project & Automation (Weeks 9–12)**
  - Individual project consolidating previous learnings.
  - Introduction to Power Automate: fundamentals and simple automation with a mini project.
  - Exploring Microsoft CoPilot for productivity enhancement.

- **Final Project & Course Completion (Weeks 13–14)**
  - Bootcamp-wide project integrating all learned concepts.
  - Finalising the project to consolidate overall knowledge.

Funded by UK Government

Enterprise Cheshire + Warrington

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Department for Education