

Nauman Patel

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TECHNICAL SKILLS

Languages: Python (Proficient), Java (Intermediate), JavaScript, HTML, CSS

Frameworks: Flask

Databases & Tools: MySQL, Git, GitHub, VS Code

AI/ML Libraries: TensorFlow, PyTorch, scikit-learn, Pandas, NumPy, Matplotlib

CS Concepts: Data Structures & Algorithms, Object-Oriented Programming, API Integration, Databases, Machine Learning, Neural Networks, Natural Language Processing

PROJECTS

Personal Portfolio

Portfolio Website

Flask, Python, HTML, CSS, JavaScript

- Developed a dynamic, responsive portfolio using Flask and Python to showcase projects and skills.
- Engineered the backend to handle routing and serve content efficiently, ensuring a seamless user experience.
- Utilised a modular design approach, allowing for easy updates and future feature additions.
- Used HTML, CSS, and JavaScript to design a clean UI with smooth animations and responsive design.

AIVest

Investment Education Platform

Python, MySQL, API, HTML, CSS, JavaScript

- Built an interactive platform for financial literacy with real-world market simulations and visualisations.
- Integrated an IBM Watson Chatbot to provide automated user support, reducing the need for manual assistance.
- Implemented user-specific data dashboards to track progress and learning outcomes, increasing user retention.
- Managed user data and authentication securely with a MySQL database, ensuring data integrity.

PokeVerse

Interactive Pokémon Guide

Flask, Python, JavaScript, CSS, PokeAPI

- Developed a responsive web application with Flask and Python to access data for over 10,000 Pokémon via PokeAPI.
- Created a dynamic, card-based UI with interactive search and animations, enhancing user engagement and accessibility.
- Implemented a chatbot to answer user queries about Pokémon, improving overall site interactivity.
- Optimised API calls and data fetching to ensure fast load times and a smooth browsing experience.

EXPERIENCE

Teaching Assistant

University of Leicester

Leicester, UK

Sept 2025 – Present

- Assisted in teaching core Computer Science modules, guiding over 100 students through coding exercises and debugging.
- Supported lecturers by preparing lab tutorials and providing constructive feedback on student assignments.
- Explained complex concepts like CPU organisation and memory systems, strengthening a foundational understanding.
- Collaborated with faculty to improve learning materials based on common student challenges, enhancing the curriculum.

Administrator

Avita Legal

Manchester, UK

July 2025 – Sept 2025

- Maintained a large case management system, ensuring high accuracy in managing 100+ client files and legal documents.
- Generated detailed reports on case statuses to facilitate informed decision-making by senior staff.
- Developed strong communication skills through frequent interaction with clients, lenders, and legal personnel.

Treasurer

LeicesterCS Society

Leicester, UK

June 2025 – Present

- Managed the society's £3,000+ budget, allocating funds for hackathons and coding workshops for over 100 students.
- Collaborated with a committee to organise successful tech-focused events, demonstrating teamwork and leadership skills.
- Introduced new financial tracking methods to improve budgeting efficiency, reducing costs by 15%.

Tutor

Vidya Learning

Leicester, UK

April 2025 – July 2025

- Tutored 20+ students in subjects including Computer Science and Mathematics, tailoring lesson plans to improve comprehension.
- Achieved measurable improvements in student performance and engagement through personalised instruction.
- Developed customised learning resources and exercises to address individual student weaknesses.

EDUCATION

University of Leicester

Expected Graduation: July 2027

BSc Computer Science, Leicester, UK

- Achieved a First Class in Year 1.
- Relevant Coursework: Algorithms, Databases, Software Engineering, Discrete Mathematics, Machine Learning (Expected), Artificial Intelligence (Expected), Data Mining (Expected).