

SKILLS

- HTML5, CSS3, React 19.1
- Python, Java 11, JavaScript, Kotlin
- Git, GitHub, GitHub Actions
- AWS EC2, Firebase

EDUCATION

University of Westminster
BEng (Hons) Software Engineering
First Class Honours (2022–2025)

NewVic Sixth Form College
BTEC Level 3 IT – DDD (2019–2022)

Eastlea Community School
GCSEs (2015–2019)

CONTACT ME

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LANGUAGES

English - Fluent
Telugu - Native
Hindi - Conversational

ACHIEVEMENTS

- Graduated with First Class Honours in BEng (Hons) Software Engineering
- Leadership & teamwork awards, Student union roles

Preetham D

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First Class BEng (Hons) Software Engineering Graduate

PROFILE/OBJECTIVE

First Class BEng (Hons) Software Engineering Graduate from the University of Westminster with a strong foundation in full-stack development, cloud infrastructure, and real-time systems. Passionate about building scalable, impactful, and secure software across industries such as AI, defence, and critical infrastructure. Eager to contribute to innovative engineering teams solving real-world challenges.

ACADEMIC PROJECTS SUMMARY

AI NEWS VERIFIER - FINAL YEAR PROJECT (2024-2025)

Environment: AWS EC2, GitHub, VSCode, Browser

Frontend: HTML5, CSS3, Javascript

Backend: Node.js, Express.js

Database & Auth: Firebase (Firestore + Authentication)

AI Integration: OpenAI GPT-4o API

DevOps: GitHub Actions for CI/CD to AWS EC2

Key Contributions:

- Built a full-stack AI-powered platform that verifies news credibility in real-time.
- Integrated GPT-4o to analyse and explain if news is real or fake.
- Designed REST APIs and managed secure authentication with Firebase.
- Used GitHub Actions for auto-deployment and rollback-safe CI/CD pipelines.
- Conducted iterative improvements using Agile methodology.

WESTMINSTER SHOPPING MANAGER – UNIVERSITY PROJECT

Environment: Apache Maven, NetBeans, Java SE 17, Swing GUI

Technologies: Java Swing, Object-Oriented Programming (OOP), File-based Persistence (Product.dat)

Key Contributions:

- Designed and developed a Java Swing application for managing products in a shopping system, supporting categories such as Electronics and Clothing.
- Implemented interactive GUI features for product listing, search, cart management, and checkout.
- Applied object-oriented principles including inheritance, encapsulation, and polymorphism to ensure code clarity and reusability.
- Created file-based persistence to store and retrieve product and cart data across sessions.
- Built a custom table model to dynamically update product listings within the interface.
- Followed MVC design concepts to separate concerns and improve maintainability.

INVENTORY MANAGEMENT SYSTEM – UNIVERSITY PROJECT

Developed a stock management system using Django, PHP, MySQL, HTML, CSS, and JavaScript. Created responsive interfaces and integrated backend logic, designed the relational database schema, and implemented full CRUD operations. Followed Agile practices with Trello and GitHub for task tracking and collaboration.

PYTHON PROGRESS TRACKER (2022)

- Wrote a Python tool to predict student outcomes based on input parameters.
- Gained hands-on experience with conditional logic and user interaction.

WORK EXPERIENCE & VOLUNTEERING

FANS REPRESENTATIVE – UNIVERSITY OF WESTMINSTER (SEP 2023 – OCT 2023)

- Welcomed and supported new students.
- Helped them navigate university systems and resources.

PWC – ADMIN ASSISTANT (WORK EXPERIENCE) (JULY2021)

- Conducted tech research and delivered presentations.
- Gained early exposure to tech consulting principles.

Student Union Rep – University of Westminster (Oct 2021 – Jun 2022)

- Collected and shared student feedback.
- Advocated for improved student experience with staff.

NCS Volunteer Project (Jul 2019 – Aug 2019)

- Contributed to a community initiative.
- Developed team-building and presentation skills.