

# Saumya Patel

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## PROFESSIONAL SUMMARY

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First-Class Computer Engineering graduate with hands-on experience in Python, JavaScript, and full-stack web development. Skilled in building responsive applications, working with databases (SQL, MongoDB), and using Git/GitHub for version control. Developed AI-powered and IoT-based projects demonstrating problem-solving, collaboration, and the ability to deliver high-quality software solutions. Eager to contribute to innovative teams by applying strong problem-solving skills and delivering scalable, user-focused software solutions.

## SKILLS

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**Technical skills:** Python, NLP (LLM, Prompt Engineering), JavaScript, Cisco Networking, IoT Integration, Embedded systems, VHDL, HTML, CSS, Java, Kotlin, C++, C#, GitHub, Arduino, Linux

**Soft skills:** Problem-Solving, Work Ethic, Adaptability, Collaboration, Time Management

## PROJECTS

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**Memory game Web App:** Built an interactive memory game web application featuring 8-48 card configurations to improve focus and cognitive skills.

- Skills: HTML, CSS, JavaScript

**AI Summarisation tool:** Engineered an AI tool to generate concise summaries from long documents.

- Skills: Python, NLP (LLM, Prompt Engineering), JavaScript
- Achieved 90% summarisation accuracy, reducing reading time for complex documents by 40%

**Voice Assistant for Smart Devices:** Created an intelligent voice assistant using LLM and provide conversational responses for smart home automation.

- Skills: Python, NLP, Speech processing, IoT integration
- Implemented wake word recognition and voice response system with intuitive display, delivering accurate conversational responses and seamless user interaction

## EXPERIENCE

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### Warehouse Assistant – Amazon (LCY8)

*November 2022 – February 2023*

- Managed and sorted packages of different sizes, including those over 15 kg. Operated conveyor belts and pump trucks to ensure efficient processing and delivery
- Achieved a 93% time-on-task ratio and achieved an average sorting of 40 items per hour, demonstrating high efficiency and productivity in warehouse operations

## EDUCATION

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### University of Greenwich – BEng Hons Computer Engineering

*September 2022 – July 2025*

- Graduated with **First Class honors** in Computer Engineering, demonstrating strong academic performance and practical expertise through hands-on labs and projects
- Strengthened advanced problem-solving and technical skills through complex engineering coursework and projects, while excelling in teamwork and communication to deliver successful outcomes