

# Saumya Patel

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Rochester, Kent

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## PROFESSIONAL SUMMARY

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Motivated Computer Engineering student with hands-on experience in Python, JavaScript, and NLP technologies. Designed AI-powered summarization tools achieving 55% text reduction and 30% accuracy improvement in domain-specific processing. Proficient in full-stack web development and embedded systems integration, with expertise in creating responsive applications and IoT solutions. Passionate about leveraging machine learning and modern web technologies to solve complex problems and enhance user experiences.

## SKILLS

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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% summarization 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.