

Nanda Kumudhan

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EDUCATION

Loughborough University <i>BSc Computer Science and Artificial Intelligence</i>	Loughborough, UK Sept 2024 – June 2028
<ul style="list-style-type: none">Year 1: 2:1 (Top 20% of cohort)Key modules: Data Structures & Algorithms, Embedded Systems Programming, Software Engineering, Operating Systems, NetworksFull-stack PHP/JS Healthcare Portal — 89%	

West Bridgford School <i>A Levels (120 UCAS Points)</i>	Nottingham, UK 2022 – 2024
<ul style="list-style-type: none">Subjects: Mathematics (B), Physics (B), Computer Science (B) — overall grades: BBBFlask E-commerce Bike Sales Web App — 100%	

EXPERIENCE

Software Developer (Freelance) <i>Dental Parts Sales Business</i>	Remote Jan 2023 – May 2023
<ul style="list-style-type: none">Designed and implemented a full-stack inventory and sales dashboard using Python, JavaScript, TypeScript, Flask, Chart.js, enabling real-time reporting and increasing decision-making speed by 60%.Automated invoice generation, stock alerts, and sales summaries, saving 30+ hours/month of manual work.Integrated a PostgreSQL database with optimized queries, reducing data retrieval time by 50%.Developed interactive charts and visualizations to track sales trends, inventory levels, and customer orders, improving accuracy by 25%.Managed deployment, version control (Git), and incremental updates, achieving downtime of <1%.	
Front-of-House Receptionist <i>Customer Service & Operations</i>	Indian Restaurant, Nottingham, UK Jun 2022 – Sep 2024
<ul style="list-style-type: none">Managed bookings, reservations, and customer interactions efficiently, improving customer satisfaction by 20%.Assisted in POS operations and reporting tasks, reducing errors by 15%.	

PROJECTS

Smart Study Assistant <i>JavaScript, TypeScript, React, Node.js, Panopto</i>	Sept 2024 – Present
<ul style="list-style-type: none">Founded an AI-powered study platform delivering notes and quizzes via OpenAI API, increasing user engagement by 50%.Automated lecture content retrieval, transcription, and summarization using Panopto, reducing manual effort by 80%.Built a scalable, responsive React/TypeScript frontend, improving platform speed and user experience by 35%.	
JP Morgan Software Engineering Simulation <i>Java, Spring Boot</i>	June 2024
<ul style="list-style-type: none">Developed a backend transaction system simulating real-world banking operations including fraud detection.Implemented unit/integration tests and logging to improve system reliability.	

TECHNICAL SKILLS

Languages: Java, Python, C/C++, JavaScript, TypeScript, PHP, SQL (Postgres/MySQL), HTML/CSS
Frameworks & Libraries: React, Node.js, Flask, FastAPI, Bootstrap, Tailwind, Spring Boot, Panopto, pandas, NumPy, Matplotlib
Tools & Platforms: Git, Google Cloud Platform, Firebase, Supabase