

Nanda Kumudhan

Loughborough, UK | +44 7532 609790 | nandakumudhan9@gmail.com | linkedin.com/in/nanda-kumudhan | github.com/nanda-kumudhan

EDUCATION

Loughborough University

BSc Computer Science and Artificial Intelligence

Loughborough, UK

Sept 2024 – June 2028

- Year 1: 2:1 (Top 20% of cohort)
- Key modules: Data Structures & Algorithms, Embedded Systems Programming, Software Engineering, Operating Systems, Networks
- Full-stack PHP/JS Healthcare Portal — 89%

West Bridgford School

A Levels (120 UCAS Points)

Nottingham, UK

2022 – 2024

- Subjects: Mathematics (B), Physics (B), Computer Science (B) — overall grades: BBB
- Flask E-commerce Bike Sales Web App — 100%

EXPERIENCE

Software Developer (Freelance)

Dental Parts Sales Business

Remote

Jan 2023 – May 2023

- 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

Customer Service & Operations

Indian Restaurant, Nottingham, UK

Jun 2022 – Sep 2024

- 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 | JavaScript, TypeScript, React, Node.js, Panopto

Sept 2024 – Present

- 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 | Java, Spring Boot

June 2024

- 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