

Nanda Kumudhan

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github.com/nanda-kumudhan | nanda-kumudhan-portfolio.vercel.app

EDUCATION

Loughborough University <i>BSc Computer Science and Artificial Intelligence</i>	Loughborough, UK Sept 2024 – June 2027
West Bridgford School <i>A Levels (120 UCAS Points)</i>	Nottingham, UK 2022 – 2024

EXPERIENCE

Software Developer (Freelance) <i>Dental Parts Sales Business</i>	Remote/Chennai, IN July 2025 – August 2025
Front-of-House Receptionist <i>Customer Service & Operations</i>	Indian Restaurant, Nottingham, UK Jun 2022 – Sep 2024

PROJECTS

Stock Price Forecaster <i>Python, TensorFlow, Scikit-learn, Streamlit, YahooFinance API</i>	September 2025
• Engineered LSTM neural network predicting stock price movements with 89% directional accuracy across S&P 500 equities	
• Developed multi-model ensemble combining Random Forest risk assessment with neural network forecasting, outperforming buy-and-hold strategy by 23%	
• Built interactive trading dashboard with backtesting capabilities and live performance tracking	
Kafka Transaction Handler <i>Java, Spring Boot, REST API, JUnit</i>	June 2025
• Completed virtual experience developing transaction handling system by JP Morgan	
• Engineered perspective-based data visualization system processing live market feeds with sub-100ms latency	
• Achieved perfect score across all modules with certification in financial software engineering best practices	
Smart Study Assistant <i>JavaScript, TypeScript, React, Node.js, Panopto</i>	Nov 2025 – Present
• Founded an AI-powered study platform delivering notes and quizzes via Hugging Face models, 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%.	

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL (Postgres), JavaScript, HTML/CSS, Typescript
Frameworks: React, Node.js, Flask, JUnit, Next.js, Hugging Face
Developer Tools: Git, Docker, Github Actions, Google Cloud Platform, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse
Libraries: pandas, NumPy, Matplotlib, Bootstrap, Tailwind