BABURAM BASTOLA (Ashwin Bastola)

London, HA3 8ST | +44 07570436173 | baburambastola716@gmail.com | Linkedin | Github | Website/Portfolio

Summary:

Computer Science student (AI & Software Engineering) who founded university AI society delivering machine learning workshops and projects using Python. Built full-stack AI code analysis platform with React, TypeScript, Supabase, and OpenAI API, implementing secure authentication, real-time usage tracking, and intelligent refactoring. Managed IT operations and database systems in consultancy, ensuring system and data protection compliance. Combines technical leadership in AI/ML with SE best practices and system administration to deliver scalable, production-ready solutions.

Education:

BSc (Hons) Computer Science   Sep 2024 - Present

University of Roehampton   London, United Kingdom

Concentrations: Artificial Intelligence, Software Engineering, Modelling & Simulations

Relevant Coursework: Computing in Python, OOP, Mathematics, Operating Systems, Data Science and Cybersecurity.

Experience:

1.Computer Operator   Nov 2023 - Sep 2024

Vibrant International Educational Consultancy   Pokhara, Nepal

- **Managed daily computer operations**, system maintenance, and technical support while performing data entry, database management, and system monitoring to process student enrolment data and ensure IT infrastructure.
- **Conducted regular system backups**, troubleshot technical issues, and ensure compliance with data protection.

2.Founding President   2025/26

AI and Computing Society | University of Roehampton   London, United Kingdom

- **Founded and led university AI society**, organizing hands-on machine learning projects using Python, and scikit-learn to apply data preprocessing, feature engineering, and predictive modelling techniques.
- **Designed and delivered technical workshops** on ML fundamentals including supervised/unsupervised learning, model evaluation, and Python-based data analysis, building collaborative technical community across disciplines.

Project:

---

1. **AI CodeLens | React, TypeScript, Supabase, OpenAI API**   **GitHub | Demo**
- **Built an AI-powered code analysis platform to** automate security audits, code quality checks, and performance optimization.
- **Designed a secure, credit-based usage system** with Supa base, enabling scalable authentication, authorization, and real-time usage tracking.
- **Developed a high-performance interactive code editor** with React and TypeScript, providing instant feedback, intelligent refactoring suggestions, and an intuitive developer experience.

Technical Skills:

Languages: Python, JavaScript, TypeScript, SQL, HTML/CSS

Frontend: React.js, Next.js, Tailwind CSS, Responsive Design

Backend: Node.js, Express.js, REST APIs, Supabase, PostgreSQL

AI/ML: OpenAI API, TensorFlow, scikit-learn, Neural Networks, Computer Vision

Tools: Git/GitHub, VS Code, Docker, Linux, Vercel

Core Skills: Full-Stack Development, AI/ML Engineering, Technical Leadership, Database Management.

Hobbies AND Interests:

Dancing   Playing football   Crypto   Innovative research mindset   Ethical Hacking   Cybersecurity