

BABURAM BASTOLA (Ashwin Bastola)

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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**, troubleshoot 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.
- **Championed responsible AI practices** by integrating fairness principles, bias detection methods, and ethical considerations into all initiatives, leading cross-functional teams toward responsible model development.

Project:

1. AI CodeLens | React, TypeScript, Supabase, OpenAI_ [GitHub Demo](#)

- **Built an AI-powered code analysis platform** using OpenAI to automate security audits, code quality checks, and performance optimization.
- **Designed a secure, credit-based usage system** with Supabase, 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.

Hobbies AND Interests:

Dancing Playing football Crypto Innovative research mindset Ethical Hacking