

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
<ul style="list-style-type: none">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	
AI and Computing Society University of Roehampton	London, United Kingdom
<ul style="list-style-type: none">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
<ul style="list-style-type: none">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 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.	
Hobbies AND Interests:	

Dancing

Playing football

Crypto

Innovative research mindset

Ethical Hacking