

**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