

## **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:**

<b>BSc (Hons) Computer Science</b>	Sep 2024 - Present
<b>University of Roehampton</b>	London, United Kingdom
<b>Concentrations:</b> Artificial Intelligence, Software Engineering, Modelling & Simulations	
<b>Relevant Coursework:</b> Computing in Python, OOP, Mathematics, Operating Systems, Data Science and Cybersecurity.	

### **Experience:**

<b>1. Computer Operator</b>	Nov 2023 - Sep 2024
<b>Vibrant International Educational Consultancy</b>	Pokhara, Nepal
<ul style="list-style-type: none"><li><b>Managed daily computer operations</b>, system maintenance, and technical support while performing data entry, database management, and system monitoring to process student enrolment data and ensure IT infrastructure.</li><li><b>Conducted regular system backups</b>, troubleshoot technical issues, and ensure compliance with data protection.</li></ul>	
<b>2. Founding President</b> <span style="float: right;">2025/26</span>	
<b>AI and Computing Society   University of Roehampton</b>	London, United Kingdom
<ul style="list-style-type: none"><li><b>Founded and led university AI society</b>, organizing hands-on machine learning projects using Python, and scikit-learn to apply data preprocessing, feature engineering, and predictive modelling techniques.</li><li><b>Designed and delivered technical workshops</b> on ML fundamentals including supervised/unsupervised learning, model evaluation, and Python-based data analysis, building collaborative technical community across disciplines.</li><li><b>Championed responsible AI practices</b> by integrating fairness principles, bias detection methods, and ethical considerations into all initiatives, leading cross-functional teams toward responsible model development.</li></ul>	

### **Project:**

<b>1. AI CodeLens   React, TypeScript, Supabase, OpenAI</b>	<a href="#">GitHub Demo</a>
<ul style="list-style-type: none"><li><b>Built an AI-powered code analysis platform</b> using OpenAI to automate security audits, code quality checks, and performance optimization.</li><li><b>Designed a secure, credit-based usage system</b> with Supa base, enabling scalable authentication, authorization, and real-time usage tracking.</li><li><b>Developed a high-performance interactive code editor</b> with React and TypeScript, providing instant feedback, intelligent refactoring suggestions, and an intuitive developer experience.</li></ul>	
<b>Hobbies AND Interests:</b>	