

# Abhinav Abhinav

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🔗 Portfolio website

🐙 GitHub

## PROFILE

AI & Data Science professional with expertise in machine learning, generative AI, and big data analytics. Proven ability to foster collaboration, adaptability, and effective communication across teams. Delivered scalable AI solutions reducing manual effort by 60%. Awarded Westminster Employability Gold for AI-driven innovation. Passionate about ethical AI and inclusive company cultures.

## SKILLS

### Technical Skills:

- Python, SQL, Git, Hugging Face, TensorFlow, Pandas, Ollama.
- LLMs (Qwen-audio, DeepSeek, Mistral, Llama, Gemma), Fine-Tuning, Generative AI, Transformers, NLP, RAG.
- Azure, AWS, Data Warehousing, ETL, SQL Server, MySQL, Power BI.
- CI/CD Pipelines, Model Optimization, AI Agent Development, Automation.

### Soft Skills & Company Culture:

- Data Science Consulting & Client Engagement.
- Technical Documentation & Presentations
- Team Coordination & Cross-functional Collaboration
- Agile Adaptability & Continuous Learning
- Ethical AI Development & Responsible Innovation

## PROFESSIONAL EXPERIENCE

<b>Machine Learning Engineer</b>	<b>Beta Exploration LTD, UK</b>	<b>Mar 2025 – May 2025</b>
<ul style="list-style-type: none"><li>• Developed and optimised multimodal LLMs achieving 90%+ accuracy.</li><li>• Led design and deployment of production-ready AI systems, including fine-tuning and evaluation pipelines.</li><li>• Collaborated cross-functionally to align AI solutions with business objectives.</li></ul>		
<b>Python Developer Intern</b>	<b>ContractPodAi, UK</b>	<b>May 2024 – Aug 2024</b>
<ul style="list-style-type: none"><li>• Analyzed 10M+ records dataset for European clients, delivering actionable insights.</li><li>• Built ML models predicting financial data with 90% accuracy for strategic decision-making.</li></ul>		
<b>Junior Data Scientist Consultant</b>	<b>Cognizant Technology Solutions, India</b>	<b>Jul 2022 – Nov 2023</b>
<ul style="list-style-type: none"><li>• Delivered data warehousing and ETL solutions using MSBI tools and Azure Data Factory.</li><li>• Processed 1M+ records, applied OLAP methodologies, and worked with SQL Server and MySQL.</li><li>• Engaged clients to tailor data insights and technical reporting.</li></ul>		
<b>AI &amp; Analytics Intern</b>	<b>Cognizant Technology Solutions, India</b>	<b>Jan 2022 – Jul 2022</b>
<ul style="list-style-type: none"><li>• Developed ML models supporting Industry 4.0 data initiatives.</li><li>• Hands-on experience in data analysis and model integration.</li></ul>		
<b>Machine Learning Intern</b>	<b>Tata Steel, India</b>	<b>May 2020 – Jun 2020</b>
<ul style="list-style-type: none"><li>• Contributed to Industry 4.0 ML projects focused on data analytics and model performance.</li></ul>		

## Education

<b>MSc Data Science and Analytics, Distinction</b>	<b>Jan 2024 – Jan 2025</b>
University of Westminster.	
Westminster Employability Award - Gold.	
<b>B.Tech Computer Science, Distinction</b>	<b>Jun 2018 – Jun 2022</b>
University of Engineering & Management	
2x Chancellor's Award for Tech-Maker	

## CERTIFICATIONS

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- AZ-900: Microsoft Azure Fundamentals.
- DP-900: Microsoft Azure Data Fundamentals.
- AI-900: Microsoft AI Fundamentals.
- Transformer Models and BERT (Google Cloud).
- MLOps Fundamentals: CI/CD/CT Pipelines (Udemy).
- Agents Fundamental (Hugging Face)

## PROJECTS

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- AI Therapist Chatbot: Empathetic mental health chatbot using GPT-3.5 Turbo API.
- Think AI System: Multi-perspective problem solver with Llama-3.2-70B and Groq API.
- **MSc Dissertation:** AI chatbot for university course retrieval using LLMs and RAG.
- Agentic AI Stock Analyst: Multi-agent LLM system for autonomous equity research.

## ACADEMIC RESEARCH

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- Big Data Impact on Transport for London: Studied operational efficiency and predictive maintenance.
- Prescription Trends Pre/Post COVID: Statistical analysis of prescription data in England.
- Luggage Packing Optimiser: Logistics optimisation using knapsack algorithm in Excel