

# Prathamesh Kulkarni

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## PROFILE SUMMARY

Experienced AI Engineer and Data Scientist specialising in developing cutting-edge solutions across the Gaming, Fintech, Automobile, Trade Finance, and Logistics industries. Skilled in AI/ML, DevOps, Cloud Infrastructure management, and team leadership.

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## PROFESSIONAL EXPERIENCE

Feb 2023 - Present      Sr. AI Engineer, bizAmica Software      Pune, India

- Currently leading the development of a forecasting solution for tonnage prediction in logistics using time series and deep learning models, aimed at automating manual processes and providing data-driven insights into the impact of various factors on tonnage based on historical data.
- Leveraging experience to take on the cloud architect role, responsible for designing and deploying AWS infrastructure for a bank project, enabling the processing of 14,000 Fastags daily and a backlog of 75 Lakh FASTags.
- Architected and implemented diverse AI-powered solutions
  - a. Logistics chatbot using AWS services and LLMs for airport facilities and dock management
  - b. LLM-powered IVR system, reducing customer support calls by 30-40%
  - c. HR and Legal chatbots for rapid internal information access
  - d. RFP (Request for Proposal) bot for information retrieval and generation
  - e. Code co-pilot for retrieval, understanding, and generation from a 10K file codebase
- Optimised izDox AI Platform's document processing, improving accuracy by 25%
- Developed a computer vision system for assembly line fault detection, achieving 10X efficiency improvement.
- Managed DevOps processes and cloud infrastructure, ensuring scalable and efficient deployments.
- Designed and managed the development of an automated testing platform to expedite and enhance the accuracy of product testing, reducing testing times by 85%.

Jun 2022 – Oct 2022      Data Scientist, Sky Betting and Gaming      Leeds, United Kingdom

- Developed ML model for bonus abuse fraud detection with 95% accuracy
  - Implemented model explainability techniques and optimised fraud detection thresholds
  - Provided data-driven insights for strategic decision-making in fraud prevention
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## SKILLS

- **AI/ML:** Python, SQL, Machine Learning, NLP, LLMs, Computer Vision, Data Analysis
  - **Cloud & DevOps:** AWS (Lex, Lambda, EC2), GCP, Docker, Kubernetes, Terraform, CI/CD pipelines
  - **Development:** API Development, Model Deployment, Chatbot Development, Code Analysis
  - **Soft Skills:** Team Leadership, Project Management, Cross-functional Collaboration
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## EDUCATION

Oct 2021 – Oct 2022      Master of Science in Data Science, Lancaster University      Lancaster, United Kingdom

Aug 2016 – May 2020      Bachelor of Engineering in Electronics and Telecommunication,      Pune, India  
Sinhgad Institute of Technology and Science

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## LANGUAGES

English(C2), Hindi(C1), Marathi(Native), French(A2)