

SANGAM S BHAMARE

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[LinkedIn](#) | [GitHub](#) | [Portfolio](#)

SUMMARY

Data scientist with expertise in machine learning, big data, and AI, dedicated to transforming raw data into strategic insights and deploying scalable solutions that drive business growth and intelligent decision-making. Proven ability to design end-to-end data pipelines, optimize predictive models, and leverage AI to revolutionize business intelligence and automation.

PROFESSIONAL EXPERIENCE

Outlier | London, United Kingdom

AI Trainer | Dec, 2024 – Feb, 2025

- Solved **200+ complex mathematical problems** across various levels to train and refine AI math models, ensuring higher accuracy.
- Optimized AI model performance, achieving **95%+ accuracy** by validating and iterating outputs for improved problem-solving.
- Reviewed and rated **500+ solutions**, providing detailed feedback to enhance precision and AI learning efficiency.

RNS Technology | Dubai, United Arab Emirates

Associate Technical Consultant | Jan, 2023 – June, 2023

- Implemented authentication and authorization mechanisms using **SSO, ForgeRock, and MFA**, securing **500+ user logins** and improving access.
- Conducted security-driven **data analysis on 1,000+ authentication logs**, testing multi-user login patterns and learning **IAM concepts**.
- Collaborated with the company director, optimizing login mechanisms, increasing **authentication efficiency by 20%**, and generating reports.

KMITL | Thailand

Machine Learning Intern | Mar, 2022 – Apr, 2022

- Developed an **AI-powered therapy chatbot** using **NLP** to analyze emotions and recommend stress management solutions, improving accessibility.
- Implemented **Naive Bayes and Collaborative Filtering**, achieving **85% accuracy** in detecting anger, fear, depression, and anxiety.
- Collaborated with **10+ international interns**, optimizing chatbot interactions, integrating web applications, and enhancing database-driven recommendations.

EDUCATION

MSc in Big Data Science | Queen Mary University of London | 2024-2025

Relevant Courses: Big Data Processing, Machine Learning, Data Mining, Neural Networks and Deep Learning, Applied Statistics, NLP

BTech in Computer Engineering | Pune University | CGPA 9.53/10 | 2021-2023

Relevant Courses: Artificial Intelligence, Cloud Computing, Computational Statistics, Blockchain Technology

ACADEMIC PROJECTS

Deception Detection using Machine Learning | [Live Demo](#)

- Built a model to predict story **truthfulness from audio features (pitch, power)**, applying **Random Forest, KNN, and Logistic Regression** with **75% test accuracy**.

Document Summarizer | [Live Demo](#)

- Developed a web app using **Facebook's BART model** to summarize PDFs, DOCX, or TXT files, automatically chunking texts and showing **word count differences**.

Zomato Data Analysis & Machine Learning Implementation | [Live Demo](#)

- Analyzed **150+ restaurant records** to extract insights on ratings, reviews, and location-based trends. Applied **ML models (85% accuracy)** for prediction and recommendation.

Customer Segmentation using K-Means Clustering | [Live Demo](#)

- Performed **customer segmentation on a retail dataset**, using **K-Means clustering, Pandas, and scikit-learn**, generating actionable insights for targeted marketing.

SKILLS & CERTIFICATIONS

- **Skills:** Python, SQL, Pandas, NumPy, Py-Spark, TensorFlow, Scikit-learn, Py-Torch, Power BI, Tableau, Matplotlib, Seaborn, AWS, Azure, GCP, Generative AI, MS Office (Word, PowerPoint, Excel)
- **Certifications:** IBM Data Science Professional, Udemy: Machine Learning: A-Z, Udemy: Deep Learning & NLP: A-Z, Udemy: Build Chatbot with Azure, IIT Bombay: Python Training.

ACHIEVEMENTS & PUBLICATIONS

- **Achievements:** Gold Medal for academic rank 1 in **Bachelors**, Gold Medal for academic rank 1 in **Diploma**
- **Publications:** [Data-Driven Ganesha Festival Management](#) (Indexed by Scopus), [The Happiest Me Book](#), [Survey Paper on Smart Farming System](#)