Bansari H Kikani

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AI & Machine Learning Specialist | Data Scientist | Python Developer

- Research-driven MSc Data Science student with a proven track record in machine learning, AI agent development, and real-world automation.
- Skilled in building, optimizing, and deploying ML models with measurable impact in research and industry settings.
- Strong communication and data storytelling skills with a passion for cross-functional collaboration and applied innovation.

Technical Skills

Languages & Tools: Python, Java, C, Kotlin, JavaScript, Flask, HTML/CSS, SQL, Git.

Libraries & Frameworks: Pandas, NumPy, Scikit-learn, TensorFlow, Keras, Matplotlib, Seaborn.

Machine Learning: Supervised & Unsupervised Learning, Deep Learning (CNN/RNN), Model Interpretability (XAI), AutoML.

Tools & Platforms: Power BI, Microsoft Excel, Jupyter, Google Colab, Shopify, VS Code.

DevOps & Cloud: GitHub, CI/CD basics, Docker (basic)

Other: Data Storytelling, Prompt Engineering, EDA, Model Deployment, API Integration.

Projects & Research

AI Agent Workflows using N8N (Ongoing)

- Engineered modular AI agents for automating small business tasks using open-source workflow tools.
- Orchestrated agent pipelines with data flow logic and auto-responses, increasing automation readiness.
- Explored LangChain and prompt engineering for business-specific use cases.

Meta-AutoML for Disease Prediction

- Built meta-learning networks to predict optimal clinical algorithms for disease classification (e.g., breast cancer).
- Achieved 20% faster model selection and increased accuracy by leveraging meta-features and historical performance data.

Experience

Broader AI — Machine Learning Intern
Feb 2023 – Aug 2023 | Surat, Gujarat

- Improved ML model accuracy by 15% and reduced data preprocessing time by 30%. Learnt how to build recommendation systems under guidance.

Inn Stem Lab — Robotics & AI Research Intern
Dec 2023 – Apr 2024 | Surat, Gujarat

- Developed and deployed smart robotics systems (drones, IoT home setups), increasing automation efficiency by 25%.
- Conducted EEG-based plant behavior analysis across 1000+ data points; reduced lab processing time by 20%.
- Contributed to experimental protocol design and co-authored preliminary publication content.

Akiyam Solutions – AI Engineer Intern
August 2025 – Present | Vadodara, Gujarat

- Creating functional RAG based AI agents for the company. Additionally adding MCP servers too.
- Working with langchain , LLM's and API's to integrate the AI agents.

Education

M.Sc in Data Science - Vellore Institute of Technology

2024–2026 • GPA: 8.6/10

B.Sc in Information Technology - Sarvajanik University

2021–2024 • GPA: 8.7/10

Certifications

- IBM: Machine Learning with Python (2023)
- Stanford University: Supervised ML - Regression & Classification (2023)
- VIT: DBMS with SQL+ (2024)
- Guinness World Record Holder: Mosaic art using 18,400 biodegradable pads
- Participated in Google Hackathons (Data/ML challenges)

Languages & Extras

- English (Proficient), Hindi/Gujarati (Native), German (B1), French/Spanish (Beginner).
- Interests: Classical & modern music (Harmonium, Guitar), Adventure travel, Modeling, Animal Rescue Volunteer.