

ROHAN KUMAR KATKAM

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Summary

Data Scientist & AI Engineer with 50+ real projects using Python, Flask, React, AWS, Docker, and LangChain ([GitHub](#)). Completed a fintech internship building a production-ready AI financial analysis platform. Experienced in building production ready AI systems.

Skills

- Programming Languages:** Python, SQL, JavaScript, R, HTML, CSS, PHP
- Frameworks & Libraries:** Flask, Django, React.js, Node.js, Express.js, Bootstrap, LangChain, LangGraph
- Machine Learning:** scikit-learn, TensorFlow, OpenAI API, HuggingFace Transformers
- Data & Visualization:** Power BI, Excel, PostgreSQL, MySQL, MongoDB, Plotly
- Cloud & DevOps:** AWS (EC2, S3), Docker, Jenkins, Terraform, CI/CD, Git
- Automation & Supporting Tools:** Selenium, BeautifulSoup, REST APIs, OpenCV, Prompt Engineering

Projects

- Analyst AI – Generative AI Financial Analysis Platform (GPT-4, LangChain, Vanna AI, Plotly, Python)**
- Built an AI agent to turn natural language financial questions into dynamic SQL, visual insights, and business reports
 - Created multi-agent workflow, auto chart selection (15+ types), and professional, stakeholder-ready summaries.
- SEC 10-K Generative AI Insights Platform (FastAPI, LangChain, OpenAI, FAISS, Custom UI)** [View Project](#)
- Created a GenAI web app to answer financial questions using a RAG pipeline on SEC 10-K filings.
 - Implemented vector search with chunked embeddings and served results via a custom frontend.

Experience

- Traderware** [🔗](#) Remote
Generative AI Engineering Intern June 2025 – present
- Built a production AI system converting financial questions into SQL, charts, and reports with GPT-4 & LangChain.
 - Achieved 80%+ success across 500+ companies using multi-agent workflows and robust error handling.
 - Automated Plotly visualizations with dynamic chart selection and zero hardcoded logic.
- Open Source & Portfolio Development** [🔗](#) Remote
Data Scientist | Full-Stack Developer | Generative AI Engineer (Personal Projects) May 2022 – present
- Built ML models and APIs using Python, scikit-learn, Flask, PostgreSQL, and Docker on AWS EC2.
 - Automated deployments with Jenkins and Docker CI/CD pipelines to enhance release efficiency.

Education

- University of Memphis** Memphis, TN
Master of Science (M.S.) in Data Science (GPA: 3.8/4.0) Aug 2023 – Dec 2025
- Completed 5+ advanced ML projects for master's, using real-world financial and healthcare datasets.
- St. Martin's Engineering College** Hyderabad, India
Bachelor of Technology (B.Tech) in Electronics & Communication Engineering Aug 2019 – July 2023

Certifications

- DevOps & AWS Workflow Fundamentals | Tutedude | [View Certificate](#)
- Web Development with MERN Stack | Tutedude | [View Certificate](#)