

ROHAN KUMAR KATKAM

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Summary

Data Scientist · Full-Stack Developer · Cloud & Automation Engineer

Data Science graduate skilled in Python, ML, and full-stack apps. Built 50+ real-world projects with Flask, React, AWS, and Docker ([GitHub](#)). Seeking internship or entry-level roles in Data, Software, or Cloud Engineering.

Skills

Programming Languages: Python, SQL, JavaScript, R, HTML, CSS, PHP

Frameworks & Libraries: Flask, Django, React.js, Node.js, Express.js, Bootstrap

Machine Learning: scikit-learn, TensorFlow, Pandas, NumPy, Seaborn, Matplotlib

Data & Visualization: Power BI, Excel, PostgreSQL, MySQL, MongoDB

Cloud & DevOps: AWS (EC2, S3), Docker, Jenkins, Terraform, CI/CD, Git

Automation & Supporting Tools: Selenium, BeautifulSoup, REST APIs, OpenCV, Linux, Agile

Projects

Ephemeral Chat App

[View Project](#)

- Real-time Flask + WebSocket chat app with AWS DynamoDB, secure message expiration, and Docker deployment.

Automated Job Scraper

[View Project](#)

- Scrapes live job listings with Selenium and Flask, stores data in AWS S3, displays via Jinja2 frontend.

Stock Market Predictor

[View Project](#)

- Built ML models using scikit-learn to predict buy/sell signals, leveraging Yahoo Finance API and NumPy.

Amazon Price Tracker

[View Project](#)

- Web scraping using BeautifulSoup; Flask app sends email alerts and logs user data in MongoDB.

Experience

Data Scientist & Full-Stack Developer

Remote

Freelance / Independent Projects

Jan 2023 – present

- Developed and deployed over 50 data science and full-stack projects, accessible on [GitHub](#).
- Designed stock prediction models using Python, NumPy, and scikit-learn, improving accuracy by 15%.
- Built real-time facial authentication system with OpenCV, Flask, and AWS MongoDB integration.
- Implemented CI/CD pipelines using Docker, Jenkins, and AWS EC2, reducing deployment time by 20%.
- Created scalable APIs and dashboards with Flask, PostgreSQL, and React.js for real-time analytics.

Education

University of Memphis

Memphis, TN

Master of Science (M.S.) in Data Science (GPA: 3.8/4.0)

Aug 2023 – Dec 2025

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](#)
- Financial Modelling & Valuation | Tutedude | [View Certificate](#)
- Web Development with MERN Stack | Tutedude | [View Certificate](#)