

Rishi P Jain

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EDUCATION

National Institute of Technology Karnataka

Bachelor of Technology

Mangaluru, IN

Dec 2020 - Apr 2024

- **Major:** Department of Information Technology (GPA: 8.39/10.00)
- **Minor:** Department of School of Management (GPA: 8.00/10.00)

EXPERIENCE

Wells Fargo

Software Engineer

Bangalore, IN

Aug 2024 - Present

- Developed RAG-based AI chatbots in Python (LLMs + vector search) for the Branch Portal, automating banker workflows and improving operational efficiency by 26%, enabling bankers to serve 30% more customers per day.
- Built an LLM-powered complaint-filing chatbot for bankers that simplified user input from 30+ fields to under 9, cutting average complaint resolution time by 41% and improving first-contact resolution
- Designed and implemented data ingestion, processing, and aggregation pipelines in Java (Spring Boot) to feed Grafana dashboards for business stakeholders, enabling real-time KPI tracking and data-driven decision-making;
- Designed an in-house ATM cash prediction model to forecast currency and branch-level cash needs, minimizing shortages and improving branch-level cash demand forecasting accuracy to 92%.
- Delivered new backend features and production fixes for the Branch Portal using Java (Spring Boot), improving API response time and system stability.

SDE Intern

May 2023 - July 2023

- Designed and implemented a Personalized Fraud Detection System by simulating client-side transactions, developing scalable backend infrastructure, training a high-accuracy ML model on customer data, and deploying RESTful APIs for fraud detection microservices.

Grav.id (previously Snapbrillia)

Data Science Intern

Remote, San Francisco

Oct 2022 - Mar 2023

- Developed a Python-based recommendation algorithm leveraging user skills and past experiences to suggest relevant gigs, while also proactively identifying and reporting product bugs to enhance user experience and overall performance.

TECHNICAL SKILLS

Languages: Java, Python, C++, SQL, JavaScript, TypeScript

Frameworks: Spring Boot, Flask, FastAPI, React.js, Node.js

AI / ML: LangChain, LLMs, RAG, scikit-learn, Google ADK

Databases: PostgreSQL, MySQL, MongoDB (NoSQL)

DevOps & Tools: Git, GitHub, Jenkins, Harness, Docker, VS Code, IntelliJ

Monitoring & Observability: Grafana, Splunk, AppDynamics

Platforms & Cloud: Red Hat OpenShift (OCP), Microsoft PowerApps, Copilot Studio

PROJECTS

CodeHub | *JavaScript, Chrome Extension API, GitHub API*

- Built and open-sourced a browser extension that automatically syncs LeetCode and GeeksForGeeks submissions to GitHub, eliminating manual uploads and simplifying progress tracking; launched on the Chrome Web Store and adopted by users to build recruiter-visible coding portfolios.

GitMaster | *React, TypeScript, Tailwind, Netlify Functions, Prisma, PostgreSQL (Supabase)*

- Built **GitMaster**, an interactive Git learning platform with visual graph exploration, guided curriculum modules, and progress tracking; implemented serverless APIs for authentication and data persistence; **recently launched live** and currently used by **20+ active users**.

PUBLICATIONS & ACHIEVEMENTS

• Image Manipulation Detection Using Augmentation and Convolutional Neural Networks.

Accepted and published in the *Proceedings of the International Conference on Machine Learning, Deep Learning and Computational Intelligence for Wireless Communication (MDCWC 2023)*, October 2023, pp. 311–320. DOI: 10.1007/978-3-031-47942-7_27. ([Paper Link](#) )

- Achieved a **percentile of 99.45** in Joint Entrance Examination (JEE) from a pool of more than 1.1 million candidates. Secured a **rank of 636** in Karnataka Common Entrance Test (KCET) among 200 thousand other candidates.