

RUSHIKESH BABAR

7972715112 | rushikeshbabar57@gmail.com | LinkedIn: [linkedin.com/in/rushikesh-babar-667711134](https://www.linkedin.com/in/rushikesh-babar-667711134) | HackerRank: [hackerrank.com/profile/rushikesh57](https://www.hackerrank.com/profile/rushikesh57) |
GitHub: <https://github.com/rushikesh-57>

Professional Summary

- Full-stack Software Engineer with 6+ years of experience in Python, Flask, React, and SQL.
- Hands-on expertise in AI/LLMs, prompt engineering, and document analysis for risk management.
- Proven track record in automation, data pipelines, and legacy system migrations at Bank of America.
- Experience building and deploying AI-driven platforms like **College Counselor** with Flask APIs, Mistral AI chatbot, and Firebase.
- Strong background in finance & risk management domains, enhancing efficiency and data accuracy.

Core Skills

- Languages & Frameworks: Python, SQL, Flask (REST APIs), React.js, Pandas, ETL, Power BI
- AI & Machine Learning: Large Language Models (LLMs), Prompt Engineering, Document Analysis & Review Automation, Mistral AI, AI-driven Risk Reporting
- Tools & Platforms: Git, Bitbucket, Microsoft SQL Server, Visual Studio Code, Quartz, Firebase, Render
- Methodologies & Practices: Agile (Scrum), Unit Testing, CI/CD, Software Design Patterns, Production Support
- Domain Knowledge: Strategic Risk Management, Non-Performing Loans (NPL), Securities Lending, Financial Data Processing

Professional Experience

UBS | Strategic Risk Management | Mar 2025 – Present

- Working on document analysis and review platform leveraging AI LLM models to automate risk assessment and compliance checks.
- Applying advanced prompt engineering techniques to optimize LLM outputs for accuracy and context relevance.
- Designing Python-based automation scripts and integrating AI models into risk reporting pipelines.
- Enhancing reporting efficiency and decision-making by streamlining large-scale document review processes.

Bank of America | Software Engineer | Jun 2019 – Feb 2025

- Led end-to-end development of ABS Lending Covenant Web App (React + Flask + Python), reducing manual deal onboarding efforts by 6 hours and earning a Gold Award.
- Automated critical reporting and reconciliation processes, improving accuracy by up to 50% and cutting manual workload by 70%.
- Migrated 100+ Python modules from 2.7 to 3.7, ensuring system stability and future compatibility.
- Enhanced data quality by 25% with automated daily checks and developed centralized dashboards for collateral and counterparty assets.
- Maintained >80% code coverage by writing unit tests for 20+ modules and providing production support.

Personal Projects

College Counselor | Full-stack Web Application | <https://caproundadvisor.onrender.com>

- Built and deployed a platform to assist students with college counseling and admission queries.
- Developed React.js frontend with Material UI for responsive and interactive user experience.
- Created Flask backend APIs to fetch and manage student data and counseling resources.
- Integrated Mistral AI-powered chatbot for answering student queries using contextual data from uploaded PDFs.
- Deployed application on Render with Firebase authentication for secure access.

Education

- ❖ B.Tech (Information Technology), VIT University, Vellore | 2015 – 2019
- ❖ Higher Secondary School, Jnana Prabodhini Prashala, Pune | 2007 – 2015

Awards & Achievements

- ❖ Gold Award – End-to-end development of ABS Lending Covenant Web App & deal onboarding automation.
- ❖ Silver Award – Automated daily NPL counterparty reports.

Extra-Curricular

- ❖ Gaming (strategic thinking & teamwork)
- ❖ Football (teamwork & leadership)
- ❖ Trekking/Travel (resilience & adaptability)