Rishi Jha

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EDUCATION

Vellore Institute of Technology   Bhopal, India
Bachelor of Technology - Computer Science and Engineering **CGPA: 8**   *Aug 2022 - Sep 2026*

EXPERIENCE

BlueStock.in   Jan 2025 - Present
SDE Intern   ***remote***
- ◦ Developed a their frontend website with react.
- ◦ Designed and implemented therealtime graphs for stock price iscription and management.
- ◦ Utilized RESTfull API to build an optimize frontend and backend connection for request and response services .
- ◦ The remote internship was during a time-line of 1st April to 5th May

British Airways Data Analytics Job Simulation on Forage   May 2025 - June 2025
Intern   ***remote***
- ◦ Developed expertise in data preparation and customer analytics, utilizing transaction datasets to extract valuable insights and deliver data-driven commercial recommendations.
- ◦ Extended analytical capabilities to identify and manage the modeling lounge eligibility at Heathrow Terminal 3 predicting customer buying behaviour.

PROJECTS

RegTech Compliance Automation Platform   GITHUB_Link
- • Automates end-to-end compliance workflows including KYC, AML, and regulatory reporting with AI-driven verification and real-time monitoring
- • Leverages secure, scalable cloud infrastructure with encrypted storage, access controls, and auditable trails for compliance data
- • Continuously detects risks, flags suspicious activities, and adapts to evolving regulations in real time to minimize compliance gaps

Credit Card Fraud Detection   GITHUB_Link

- • Developed and fine-tuned a logistic regression-based machine learning model achieving an 87% accuracy rate in predicting credit card fraud.
- • Minimized false positives by 16% through rigorous feature engineering and hyper parameter tuning processes.
- • Implemented under-sampling and ensemble techniques to address class imbalance, leading to 15% improved performance.
- • Successfully mitigated fraudulent transactions while optimizing model efficiency by 23% and accuracy by 6%.

Banking Data Analytics & visualization dashboard   GITHUB_Link

- • Enables stakeholders to monitor trends and identify anomalies in real time with interactive data visualizations.
- • Optimizes loan for credit management by providing actionable insights and predictive analytics on portfolio performance
- • Presents key performance indicators (KPIs) on an intuitive dashboard, facilitating quick analysis and data-driven strategy formulation.

AI – Powered Personalized Financial Wellness Advisor   GITHUB_Link

- • The project builds an AI platform leveraging generative AI to offer customized financial advice
- • It generates personalized financial narratives, adaptive budgeting plans, and proactive scenario explanations in natural language.
- • The system also creates automated financial summaries and insights, highlighting trends in proposing actions .

SKILLS SUMMARY

- **Languages**:   Python, Java, C++,HTML,CSS
- **Frameworks**:   React, NodeJS, Flask, Django
- **Databases**:   MySQL, MongoDB
- **Tools**:   AWS, Git, Pytorch, Scikit, Numpy ,OpenCV, Scikit-Learn, Matplotlib, PowerBI

CERTIFICATES

Internships   ### Skills

British Air Ways Data Science Job Simulation from (Forage)|CERTIFICATE   Gen AI for everyone (Fractal)| CERTIFICATE

SDE internship at BlueStock(1st April-5th May)| CERTIFICATE   Gen AI Using IBM Watson x (IBM)| CERTIFICATE