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](https://github.com/Jha-2022/Sales-Performance-Forecasting-Dashboard)

* 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](https://github.com/Jha-2022/Credit-Card-Fraud-Detection)

* + 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](https://github.com/Jha-2022/Customer-Segmentation-Targeted-Marketing-)

* + 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](https://github.com/Jha-2022/Patterns)

* + 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

**Skills**

Gen AI for everyone (Fractal)| [CERTIFICATE](https://www.coursera.org/account/accomplishments/certificate/ZP29REB9QCPT)

Gen AI Using IBM Watson x (IBM)| [CERTIFICATE](https://drive.google.com/file/d/1blI15eH6SXpWQvDdPUMDciVxvjmU4msB/view?usp=drive_link)

**Internships**

British Air Ways Data Science Job Simulation from (Forage)|[CERTIFICATE](https://drive.google.com/file/d/1LHkWZq4FFwLdGe3_DOTNjfsxP16HJzAC/view?usp=sharing)

SDE internship at BlueStock(1st April-5th May)| [CERTIFICATE](https://drive.google.com/file/d/1amQW80AuUzs7eA3a5GCaJjkh46fn3xa-/view?usp=sharing)