Rishi Jha

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EDUCATION

Vellore Institute of Technology   Bhopal, India
Bachelor of Technology - Computer Science and Engineering CGPA: 8.08   *Aug 2022 - Sep 2026*

EXPERIENCE

BlueStock Fintech   Apr 2025 – Jun 2025
SDE Intern   ***remote***

- Built a responsive React-based frontend website, improving user engagement by 35% and reducing page load time by 2.5 seconds.
- Real time stock price visualization graphs processing 10,000+ data points per second, enabling traders to make investment decisions 40% faster.
- Implemented RESTful API integration optimizing frontend-backend communication, reducing API response time by 50%.
- Enhanced system scalability through microservices architecture
- **Tech Stack:** Python, React, javascript, NodeJS, Flask, FastAPI,

British Airways job simulation Forage   Jun 2025 – Aug 2025
Data Science Job Simulation   ***remote***

- Developed predictive models for lounge eligibility and customer buying behavior using actual Heathrow Terminal 3 data.
- Gained hands-on experience in data-driven decision-making within the airline industry context.
- **Tech Stack:** Python, Excel, MySQL, PowerBI

PROJECTS

- **RegTech Compliance Automation Platform**   GITHUB Link
  - Streamlined 95% of end-to-end compliance workflows including KYC, AML, and regulatory reporting, reducing processing time from 3 hours to 15 minutes using AI-driven verification
  - Engineered secure, scalable cloud infrastructure with encrypted storage and access controls, achieving 99.9% uptime and processing 50,000+ compliance documents daily
  - Implemented real-time risk detection system identifying suspicious activities with 92% accuracy, adapting to evolving regulations and minimizing compliance gaps by 80%
  - **Tech Stack Used:-** python, Pandas, NumPy, *sqlite3, BeautifulSoup, seaborn, maplotlib, Plotly, Dash, datacience skills*

- **Multi-Agent Medical Assistant**   GITHUB Link
  - Created an AI-driven multi agent Medical Assistant streamlining clinical workflows for 50+ healthcare and medical services with a 60% reduced in patients query response time from early versions.
  - Built a multi agent system with specialized agents for symptom analysis and query responses, achieving 88% accuracy in preliminary diagnosis recommendation.
  - Developed scalable Python-based architecture using external APIs and microservices.
  - Integrated advanced LLMs including Gemini and GPT models, improving medical information accessibility and reduces healthcare consultation wait time.
  - **Tech Stack Used:-** Kaggle datasets, Pandas and Numpy, React, FastAPI, Flask, FastAPI , OAuth2.o, BioBert , Gemini-api

- **AI – Powered Personalized Financial Wellness Advisor**   GITHUB Link
  - Constructed an AI platform leveraging generative AI to deliver customer financial advice, with a capacity to accommodate 1500+ users for now , increasing financial litracy scores by 40%
  - Generated personalized financial narratives and adaptive budgeting plans natural language processing, helping users save an average of 25% on monthly expenses.
  - Systematized financial summary creation and trend analysis, providing proactive scenario explanation that improved user financial planning accuracy by 65%.
  - **Tech Stack Used:-** Python, JavaScript, React, NodeJS, Flask, FastAPI, MySQL, Docker

SKILLS SUMMARY

Languages:	JavaScript, Python, C/C++, HTML/CSS, Java
Frameworks:	React, NodeJS, Flask, Django
Databases:	MySQL, MongoDB
Tools:	AWS, Tensorflow, Git, Docker, Pytorch, Scikit, HuggingFace, Pandas, NumPy, FastAPI

CERTIFICATIONS

Professional Internships

British Airways Data Science Job Simulation (Forage) - Advanced Analytics Certificate

Software Development Engineer Internship at BlueStock - Full-Stack Development Certificate

Technical Skills

Generative AI Using IBM Watson – X (IBM) :- certification

AWS Academy Cloud Foundation - certification
AWS Academy Cloud Architecting – certification