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 J**un 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

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* **RegTech Compliance Automation Platform**[GITHUB Link](https://github.com/Jha-2022/RegTech-Compliance-Automation-Platform.git)
  + 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*

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* **Multi-Agent Medical Assistant**[GITHUB Link](https://github.com/Jha-2022/medassist?tab=readme-ov-file)
  + 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,Typescript, Pandas and Numpy, React, FastAPI, Flask, FastAPI , OAuth2.o,z,TailwindCSS

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* **AI – Powered Personalized Financial Wellness Advisor** [GITHUB Link](https://github.com/Jha-2022/AI-Powered-Personalized-Financial-Wellness-Advisor)
  + 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,

Skills Summary Certifications

**Languages**: JavaScript, Typescript,Python, C/C++, **Professional Internships**

HTML/CSS, Java British Airways Data Science Job Simulation (Forage) -

**Frameworks**: React,TailwindCSS, NodeJS, Flask, Django [Advanced Analytics Certificate](https://drive.google.com/file/d/1LHkWZq4FFwLdGe3_DOTNjfsxP16HJzAC/view?usp=sharing)

**Databases**: MySQL, MongoDB Software Development Engineer Internship at BlueStock -

**Tools**: AWS, Tensorflow, Git, Docker, [Full-Stack Development Certificate](https://drive.google.com/file/d/1amQW80AuUzs7eA3a5GCaJjkh46fn3xa-/view?usp=sharing)

Pytorch, Scikit, **Technical Skills**

HuggingFace, Generative AI Using IBM Watson – X (IBM) :- [certification](https://drive.google.com/file/d/1blI15eH6SXpWQvDdPUMDciVxvjmU4msB/view?usp=sharing)

Pandas, NumPy, FastAPI AWS Academy Cloud Foundation - [certification](https://drive.google.com/file/d/18-Kx8wD0f3ugbgpp4SSUHM22XUI3ZM8p/view?usp=sharing)

AWS Academy Cloud Architecting – [certification](https://drive.google.com/file/d/1uOioMgg1G3Ersd1N4iPAOKrYC0-v_aXC/view?usp=drive_link)