

Rishparna Bandopadhyay

 [github/Rishparna02](https://github.com/Rishparna02)  leetcode.com/u/Rishparna/  [linkedin/in/rishparna-b-29963b217](https://www.linkedin.com/in/rishparna-b-29963b217)  rishparnab@gmail.com

EDUCATION

Vellore Institute of Technology

B.Tech Computer Science

Sep 2025

Current CGPA: 7.61

KV Barrackpore AFS School (AISSCE)

April 2021

Higher Secondary Education

Percentage: 78.0

KV Barrackpore AFS School (SSC)

April 2019

Secondary School Certificate

Percentage: 88.8

TECHNICAL SKILLS

Languages: Java, JavaScript, TypeScript, Python

Frameworks/Libraries: Node.js, Express.js, React.js, Hugging Face, OpenRouter

Databases: PostgreSQL, MongoDB, MySQL

Tools: Git/GitHub, Docker, AWS, Postman

EXPERIENCE

Full Stack Engineer : RakFort

September 2025

- Built an **AI-powered interview** preparation platform with React and FastAPI, featuring a Playground where users submit resumes for mock interviews, **resume-matched job search**, and **personalized career roadmap generation** using Vertex AI on Google Cloud Platform.
- Developed end-to-end backend infrastructure including **payment gateway integration**, **Firestore authentication**, email contact form setup, and **Vertex AI speech-to-text functionality**, with all APIs tested via Postman and containerized using Docker for consistent deployment.
- Designed and built interactive dashboard UI components covering **onboarding flows**, **interview workflows**, and **job discovery**, improving the end-to-end user experience from signup through interview practice.

PROJECTS

Resolve | [Github](#) | [Website](#) | *Express.js, Turso (libSQL), OpenRouter*

February 2026 - April 2026

- Built a full-stack **AI SRE simulation platform** to model **microservices**, **incidents**, **alerts**, **logs**, and **telemetry** across pre-built seed scenarios (database storm, memory leak, bad deploy, cache stampede).
- Implemented real-time **LLM-powered incident investigation** using SSE streaming from OpenRouter, assembling context from **5 data sources (incidents, alerts, logs, telemetry, knowledge articles)** to generate **RCA**, **remediation plans**, and **postmortems** rendered live via a React island with Streamdown.
- Designed a **4-stage incident lifecycle workflow (investigating → identified → monitoring → resolved)** with **bulk alert state management**, **AI-generated knowledge base postmortems**, and a dashboard surfacing project health cards, alert counts, and recent activity.

Sentry | [Github](#) | [Website](#) | *Node.js, Express.js, MongoDB, OpenRouter, Docker*

January 2026

- Developed an **AI-powered GitHub PR review platform** that fetches **PR metadata**, **diffs**, **commits**, and **review comments** via the **GitHub API**, processes them through a **diff chunking pipeline** and generates structured merge-readiness reports with **verdict**, **confidence score**, **risk assessment**, and **security analysis**.
- Implemented a robust **LLM response pipeline with JSON schema validation**, automatic retry on parse failure, 60-second timeouts, and retry-on-5xx error handling, ensuring consistent structured output across **PRs with 300+ lines of changes and 10+ files** and MongoDB persistence to store and retrieve PR reports.
- Containerized the full stack with **Docker Compose** for single-command deployment, and configured environment-based settings for API keys, model selection, and database connectivity.

CERTIFICATIONS

AWS Certified Cloud Practitioner | [Certificate](#) | *Amazon Web Services*

June 2024 - June 2027

Leveraged **AWS Certified Cloud Practitioner** skills to optimize cloud-based solutions, resulting in a **20%** increase in system efficiency.