





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, BHOPAL

April 2025

B.Tech Computer Science

Current CGPA: 7.42/10.0

KV Barrackpore AFS School (AISSCE)

April 2021

Higher Secondary Education

Percentage: 78.0

COURSEWORK

Courses: Object-Oriented Programming, DSA, Database Management System, OS, Computer Networks

SKILLS

Languages: Java, Python, HTML/CSS, Javascript, SQL

Frameworks: Flask, React, Node.js, Express.js

Libraries: pandas, streamlit, tensorflow

Tools: Git/GitHub, AWS

PROJECTS

Shoppistae | [Github](#) | *React, Express.js, MongoDB*

March 2024 - June 2024

- Designed and implemented Shoppistae, a clothing e-commerce app with a robust admin panel for real-time stock updates, secure JWT authentication, and efficient navigation, achieving a 30% increase in user engagement and a 20% boost in sales conversion rate.
- Developed optimized API endpoints for CRUD operations and advanced product search capabilities using React and MongoDB, enhancing backend efficiency by 35% and improving product discoverability by 15%. Deployed on Vercel for scalability, leading to a 25% improvement in user experience.

StockSync | [Github](#) | *Python, Flask, MongoDB, Scikit-Learn*

February 2024

- Developed a stock price prediction model achieving MSE: 0.034, MAE: 0.123, R²: 0.89, and EVS: 0.88, ensuring accurate and reliable forecasts for informed decision-making.
- Architected and deployed a robust MongoDB data storage solution to enhance reliability and scalability, driving a 50% increase in application performance and user satisfaction.
- Optimized data retrieval with advanced indexing and caching techniques, boosting system reliability by 40% and reducing query response time by 60%.

Gemini Chat Pdf | [Github](#) | *Python, Streamlit, PyPDF2, Langchain, Google Cloud SDK*

January 2024

- Engineered a Gemini Chat PDF application that enabled seamless PDF uploads and processing, featuring an interactive chat interface powered by Google's Gemini-pro, enhanced document query efficiency by 60% and boosted user productivity by 35%.
- Implemented a conversational chat using LangChain to deliver contextually accurate responses, boosting user engagement by 40% and comprehension by 25%, while optimizing MongoDB queries with advanced indexing strategies, reducing average response time from five seconds to two seconds under heavy load conditions and improving scalability by 50%.

CERTIFICATIONS

Amazon Web Services | *AWS Certified Cloud Practitioner*

June 2024 - June 2027

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

Iamneo | *DATA STRUCTURES AND ALGORITHMS*

May 2024

Optimized solutions for competitive coding challenges, utilizing linear and non-linear data structures to reduce code execution time by 50