

# RITANKAR JANA

Kolkata, West Bengal, India

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## Education

### Academy of Technology

Bachelor of Technology in Computer Science (CGPA: 8.92/10)

2021 – 2025

Hooghly, West Bengal

### W.W.A Cossipore English School

I.S.C (Percentage: 89.50%)

2018 – 2020

Kolkata, West Bengal

### W.W.A Cossipore English School

I.C.S.E (Percentage: 90.75%)

2018

Kolkata, West Bengal

## Experience

### CloudKaptan Consultancy Services Pvt. Ltd.

Nov 2025 – Present

Software Engineer Trainee (Intern)

Kolkata, West Bengal

- Developed Apex classes and bulkified trigger frameworks with optimized SOQL/SOSL, implementing complex business logic while adhering to Salesforce governor limits and best practices.
- Built Visualforce pages using Apex controllers and extensions to support dynamic form handling, validation, and CRM-driven document workflows
- Automated enterprise workflows using record-triggered and screen Flows, integrated with Apex logic and test classes achieving 75%+ code coverage for deployment readiness.

### Soefia Education Incorporated

Jul 2025 – Aug 2025

Software Engineer (Intern)

Boston, Massachusetts, USA (Remote)

- Deployed a multi-tenant architecture on AWS (ECS, S3, Amplify, Secrets Manager), improving scalability and ensuring secure credential management for 500+ users.
- Enhanced backend reliability by identifying and resolving edge cases in authentication APIs, validated with rigorous pytest unit tests, reducing potential authentication failures by ~30%.
- Improved product quality by conducting functional testing and systematically reporting bugs, cutting defect resolution cycle time by 20%.

## Projects

### Whispr - Chat Application

React, Node.js, Express, MongoDB, Socket.IO, RabbitMQ, AWS [Code]

Aug 2025

- Architected a microservices-based real-time chat platform with separate user, chat, and email services, enabling 1-to-1/group messaging, media sharing via AWS S3, and live presence using Socket.IO.
- Implemented secure OTP-based authentication with JWT persistence and a RabbitMQ-powered email service for notifications, ensuring high throughput and reliability.
- Designed scalable RESTful APIs and socket events with admin features like add/remove members, rename group, and chat deletion; deployed on AWS EC2 + PM2.

### Stokis - Stock Prediction Platform

FastAPI, CrewAI, MongoDB, Transformer [Code]

Oct 2024 – May 2025

- Led a 5-member team developing a stock prediction platform using Yahoo Finance data, integrating technical indicators with a CNN-BiLSTM model achieving  $R^2 = 0.95$ .
- Fine-tuned a BERT-based model (FinBERT) on a custom dataset for sentiment classification, reaching 97.2% accuracy.
- Developed a FastAPI microservice automating real-time stock news fetch, filter, and summarization via SerpAPI, Playwright, CrewAI, and MongoDB.

## Technical Skills and Interests

**Languages:** Java, Python, Javascript

**Database:** MySQL, Oracle, MongoDB, Redis

**OS:** Windows, Linux

**ML/DL Libraries:** Scikit-Learn, Pandas, Matplotlib, LangChain, NumPy

**Web Frameworks:** Node.js, Express, React

**Cloud(AWS):** ECS, S3, EC2

## Extracurricular Activities and Achievements

### AWS Cloud Quest Cloud Practitioner

Jun 2025 - Jul, 2025

### Participated in HaRBInger 2024- RBI Hackathon

May 2024 – Oct 2024

### Talent Next Java Certification from Wipro

May 2024 – Sept 2024

### Open-source Contributions in Hugging Face

2024