

RAJASHIK DATTA

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EDUCATION

Institute of Engineering & Management  **Kolkata**

April 2022 - Present

Bachelor of Technology in Computer Science and Engineering (Artificial Intelligence)

CGPA : 9 / 10

D.A.V. Public School  **Siliguri**

April 2020 - March 2022

Higher Secondary School

AISSCE : 75.4 / 100

Nirmala Convent School  **Jalpaiguri**

April 2008 - March 2020

Primary School, High School

CISCE : 87.5 / 100

SKILLS

Programming Languages Python, C, C++, Java, MATLAB

Database Management Oracle, MySQL

Tools and IDE Visual Studio Code, Jupyter Notebook, Google Colaboratory, Jira, Figma, Overleaf

GenAI Platforms DALL-E, Gemini, OpenAI APIs, Stable Diffusion

Cloud Platforms AWS, Google Cloud

Soft Skills Problem-solving, Critical thinking, Teamwork, Leadership

RESEARCH AND INDUSTRY EXPERIENCE

GenAI CoE, IEM

November 2024 - Present

Undergraduate Student Research Lead

- ❖ Working as Research Lead in GenAI Centre of Excellence, Institute of Engineering & Management, Kolkata.
- ❖ Responsible for guiding and managing student research work under academic prerequisite or external interests.

IEM Consultancy Services

August 2024 - March 2025

*Project Intern at **bair.ai***

- ❖ Spearheaded end-to-end development of a Cluster-based Cryptocurrency Price-prediction Engine, architecting the algorithm, data pipeline, and automated report-generation framework to deliver actionable market insights.
- ❖ Designed and implemented NLP-driven social-media sentiment analytics, aggregating real-time data from Twitter, Telegram and Reddit to quantify market sentiment and bolster model robustness, reducing forecast error and volatility.

Innovation & Entrepreneurship Development Cell (CSE)

March 2024 - August 2024

Undergraduate Research Assistant

- ❖ Co-authored in research paper accepted at IEM-HEALS 2024 - Analyzed Jul 2019–Dec 2022 closing prices of 20 pharma stocks using multivariate regression, volatility metrics, and event-study methods.

- ❖ Full-stack Stock Trading Simulator - Developed a React/Node.js/Express/MongoDB platform with real-time WebSocket feeds and a custom order-matching engine.

Study Abroad Program at National University of Singapore (NUS)

July 2023 (1 week)

Undergraduate Study Abroad Program

- ❖ Studied fundamentals of “Artificial Intelligence, Internet of Things, Machine Learning & Data Analytics”, lectured by faculties of National University of Singapore.

PEER-REVIEWED CONFERENCE PUBLICATIONS

1. Sanjan Baitalik, **Rajashik Datta**, Sanket Ghosh, Dr. Darothi Sarkar, Dr. Ayan Chaudhuri, “Machine Learning-Driven Insights For Stock Market Analysis And Trading”. In *International Conference on Interdisciplinary Research in Technology and Management* (IRTM 2024)
2. Sanket Ghosh, Sanjan Baitalik, **Rajashik Datta**, Dr. Darothi Sarkar, “The COVID-19 Shock: An Analysis Of Impacts And Responses Of Indian Stock Market”. In *International Conference on Interdisciplinary Research in Technology and Management* (IRTM 2024)
3. **Rajashik Datta**, Sanjan Baitalik, Sanket Ghosh, Saugata Ghosh, Dr. Swarnendu Ghosh, “Is Indian Financial Market Ready for Pandemics?”. In *International Conference on Advancing Science and Technologies in Health Science* (IEM-HEALS 2024)

RESEARCH INTERESTS

- ❖ Artificial Intelligence and Machine Learning
- ❖ Stock Market Prediction and Analysis
- ❖ Generative AI in Creative Applications
- ❖ Cognitive Medical Intelligence

CERTIFICATES AND INTERNSHIPS

- ❖ AICTE AI-ML Virtual Internship supported by Google for Developers *July 2024 - September 2024*
- ❖ AICTE Android Developer Virtual Internship supported by Google for Developers *April 2024 - June 2024*
- ❖ AWS Academy Graduate - AWS Academy Machine Learning Foundations *November 2023*
- ❖ AWS Academy Graduate - AWS Academy Cloud Foundations *September 2023*
- ❖ AICTE AI-ML Virtual Internship supported by AWS *May 2023 - July 2023*
- ❖ Google Developer Student Clubs - Gen AI Study Jam *May 2023*