

# RIDDHIMA PATRA

+91-9679790089 ♦ India ♦ [riddhi070906@gmail.com](mailto:riddhi070906@gmail.com) ♦ [LinkedIn](#) ♦ [Github](#)

## PROFESSIONAL SUMMARY

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Research focused undergraduate pursuing Mathematics & Computing (NIT Durgapur) and Data Science (IIT Madras), with experience in ML, explainable AI, and GenAI. Interested in applying AI/ML to simulation, image generalization, and CAD-based research problems.

## EDUCATION

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**B.Tech in Mathematics and Computing**, NIT Durgapur, CGPA:8.35

*Aug, 2024-May, 2028*

**BS in Data Science and Applications**, IIT Madras

*May, 2025-2029*

## SKILLS

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Languages	Python(Pandas, Numpy, Scikit-learn, Matplotlib), C/C++, SQL, Java
CS Fundamentals & Tools	DSA, OOP, Git, GitHub, VS Code
Technologies & Frameworks	Machine Learning, , Tableau
Statistics & Methods	Statistical Modeling, A/B Testing (Conceptual), Hypothesis Testing
Non-Technical Skills	Communication, Time management, Problem-solving, Presentation, Research writing

## EXPERIENCE & PROGRAMS

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**AIML Intern – IBM Edunet (Remote)**

*June, 2025 – July, 2025*

Designed and deployed an end-to-end ML pipeline, building a high-performance XGBoost classifier that achieved 86% accuracy and demonstrating skills in the full development lifecycle of an ML system.

**Open Source Contributor — GirlScript Summer of Code (GSSoC '25)**

*July, 2025 – Oct, 2025*

Selected as an open-source contributor.

**IIT KGP Summer of Quant Program**

*June, 2025*

Selected for a competitive program focused on applied algorithms and machine learning. Gained experience in building complex modeling systems and backtesting frameworks, focusing on system design and performance validation.

**Google Cloud Skills Boost**

Earned badges in BigQuery for Data Analysis – Level 1, Introduction to Generative AI, Prompt Design in Vertex AI, Responsible AI. [View Profile](#)

## PROJECTS

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**Stock Price Prediction Model**

- Developed a data pipeline to ingest and process time-series data from the Yahoo Finance API.
- Focused on creating a modular and testable codebase for a predictive analytics system, achieving 92% accuracy.

## ACHIEVEMENTS

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**Reliance Foundation Undergraduate Scholarship (2024):** Awarded for academic excellence and potential

**CodeChef 2 Star:** Actively solve complex algorithmic challenges and compete in programming contests, demonstrating proficiency in data structures and algorithms relevant to technical interviews.

## LEADERSHIP

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- Leading my team of 4 "BLUE-Horizon" in the national-level space tech hackathon, Bharatiya Antariksh Hackathon 2025 organized by ISRO-affiliated bodies. Managed project planning, delegation, and final submission under tight deadlines.