

# Atri Mondal

Uluberia, Howrah, West Bengal, 711307

**Mail:** [atrimondal.riju@gmail.com](mailto:atrimondal.riju@gmail.com)

**LinkedIn:** [www.linkedin.com/in/atri-mondal-a75274290](https://www.linkedin.com/in/atri-mondal-a75274290)

**GitHub:** [github.com/Atri-0342](https://github.com/Atri-0342)

**Portfolio:** [atri-0342.github.io/portfolio](https://atri-0342.github.io/portfolio)

## SUMMARY

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Passionate Software Engineer with hands-on experience in building scalable web applications using React.js, Node.js, and MongoDB. Strong understanding of system design, algorithms, and databases (SQL, MySQL, MongoDB) with the ability to develop both front-end and back-end solutions.

## TECHNICAL SKILLS

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- **Programming:** Java, Python, C++, JavaScript
- **Web:** HTML, CSS, React.js, Node.js, Express.js
- **Database:** MySQL, MongoDB
- **Tools:** GitHub, VS Code, Jupyter
- **Concepts:** DSA, OOP, DBMS, OS, Networks

## PROJECTS

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### 1. Kolmogorov–Arnold Networks (KAN) Web Application

July 2025 - Sep 2025

- **Technologies:** Python, Streamlit, Flask.
- **Description:**
  - Designed and implemented a Kolmogorov–Arnold Network (KAN) from scratch in Python.
  - Built an interactive web interface using Streamlit for real-time input and output visualization.
  - Demonstrated deep understanding of neural network architectures, function approximation, and model deployment.

### 2. Classical Game Collection

July 2024 - Aug 2024

- **Technologies:** HTML, CSS, JavaScript.
- **Description:** Created a web-based collection of classic games like Tic-Tac-Toe and Snake. Focused on gameplay mechanics and responsive design.

## EDUCATION

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### Master of Computer Applications (MCA)

Heritage Institute of Technology, Kolkata

Oct 2024 - Present

CGPA - 9.34

### Bachelor of Science in Computer Science (B.Sc)

Vidyasagar University, Kolkata

Oct 2021 - June 2024

CGPA - 8.33

## CERTIFICATE

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- Python Programming – HackerRank, 2024
- SQL (Intermediate) – HackerRank, 2024

## HOBBIES & INTERESTS

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- **Playing Chess** – Enhances strategic thinking and concentration
- **Competitive Programming** – Sharpens logic and problem-solving skills