

AMIYA RANJAN MAHARANA

☎ (+91) 9692931233 ✉ [Mail](#) [LinkedIn](#)

[Codeforces](#) (1904) [Leetcode](#) (2055) [Codechef](#) (2044)

Education

National Institute of Technology, Rourkela

Aug 2023 – Present

Bachelor of Technology in Computer Science and Engineering (CGPA - 9.24)

Rourkela, Odisha

Govt. Autonomous College, Rourkela

May 2023

12th, Science (PCM) (Grade - A)

Rourkela, Odisha

Relevant Coursework

- Data Structures and Algorithms
- Database Management
- Object Oriented Programming

Achievements/Certifications

- Achieved **Rank 1** in college and **AIR 38** in **ICPC KANPUR** Regional Contest with my team. Certificate
- Earned the rank of **Candidate Master** on **Codeforces**, **Top 5 %** on global leaderboard.
- Achieved the title of **5 Star** (Yellow Division) on **Codechef** with a peak rating of **2044**.
- Attained the title of **Knight** on **Leetcode** with a best rating of **2055**.
- Secured **Rank 1** in AlgoVision, AlgoUtsav, AlgoBlitz coding contests organised in college. Certificate
- Bagged **Global Rank 153rd** in Codeforces Round 996 Div2 contest. proof
- Acheived **Global Rank 12th** in Codechef Starters 143 contest. proof

Projects

AlgoKnight

Website | May 2025

MERN Stack, JWT, REST APIs

- Built and deployed a fullstack CP analytics platform with **200+ active users**, tracking over **30,000+ submissions** and processing **6,000+ problems** from platforms like Codeforces and LeetCode.
- Designed real-time dashboards with **recent 6-month submission heatmaps**, **rating graphs**, and **category-wise performance charts** for user-specific progress insights.
- Engineered a **SmartSheet recommendation engine** curating **top 200 trending problems** based on **network-wide activity patterns**.
- Implemented **automated background workers** for periodic data sync at a **regular interval of 20 minutes**. Also integrated **JWT-secured REST APIs** for secure user authentication.
- Enabled **peer network features** like **mentor/peer/rival tracking**, **contest history visualization**, and **personalized upsolve management** on 5 recently attended contests.

InKspire

Website | Dec 2024

Embedded JS, Node.js, Express.js, MongoDB, Cloudinary, JWT

- Designed and implemented a fullstack blogging platform with **1,000+ articles** and **100+ users**, enabling CRUD operations with real-time commenting and media uploads.
- Engineered **JWT-secured REST APIs** with **10+ layers of password encryption**, ensuring security and role-based permissions.
- Integrated **Cloudinary API** for efficient image handling, powering **50+ media-rich blog posts**.
- Developed a responsive, user-friendly frontend using **Embedded JS** and **Bootstrap** for improved UX across devices.

Technical Skills

- **Languages:** C++, Java, HTML, CSS, JavaScript
- **Developer Tools:** Postman, MongoDB Compass, VS Code, IntelliJ Idea, CLion
- **Technologies/Frameworks:** Node js, Express js, Embedded JS, Bootstrap, MongoDB

Extracurricular Activities

Algorithmic and Programming Society, NITR

Nov 2024 – present

- Organized and contributed to coding events like "AlgoUtsav", "Meteor Madness", and "Kickstart", engaging 250+ participants and mentoring juniors to foster a strong coding culture in college.