



AMRUTANSHU MISHRA

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Education

National Institute of Technology, Rourkela

Bachelor of Technology in Computer Science and Engineering (CGPA - 9.59)

September 2023 – Present

Rourkela, Odisha

Mother's Public School, Bhubaneswar

AISCCE – CBSE, Science (PCM) (Percentage - 95%)

May 2021

Bhubaneswar, Odisha

El Nissi Mission School, Junagarh

AISSE – CBSE (Percentage - 94%)

May 2019

Junagarh, Odisha

Relevant Coursework

- Data Structures and Algorithm
- Database Management
- Object Oriented Programming
- Design and Analysis of Algorithms

Projects

Real-Time Chat Application

December 2024 – January 2025

React.js, Node.js, MongoDB, ShadCN, APIs

GitHub

- Developed a full-stack real-time chat application supporting over 100 simultaneous users with low-latency message delivery.
- Designed an intuitive interface using React.js and MVC pattern, achieving a 25 percent faster page load time compared to similar platforms.
- Integrated MongoDB, optimizing query performance by 40 percent for scalable data handling.

Achievements/Certifications

- **Codeforces** **December 2024**
Secured overall of rank 329 in codeforces platform in Round 993(Div.4) contest *Certificate*
- **Codeforces: Specialist Title** **December 2024**
Achieved the title of Specialist with a peak rating of 1475 on a top Competitive Programming platform. *Certificate*
- **Academic Excellence Award** **November 2024**
Received Award from the Department of CSE for having the second highest CGPA of 9.59.
- **Algo Vision** **September 2024**
Secured 6th rank as part of a 2-member team in Algo Vision, a competitive programming competition held at NIT Rourkela, competing against 50+ teams in solving algorithmic challenges..
- **Atcoder** **December 2024**
Secured overall of rank 954 in AtCoder Regular Contest 178
- **Codechef** **July 2024**
Secured overall of rank 25 and a rating of 1665 in codechef platform in starters 138 division 3 contest
- **Algo Utsav** **July 2023**
Secured 1st place in the premier programming contest at NIT Rourkela, competing against top coders.

Technical Skills

- **Languages:** C++, C, Javascript, Verilog HDL
- **Operating Systems:** Windows, MacOS
- **Developer Tools:** VS Code
- **Technologies/Frameworks:** Node js,HTML/CSS, Next js, Express js, React js, MongoDB, Tailwind CSS

Extracurricular Activities

Algorithmic and Programming Society

December 2023 – Present

Technical Member – Algorithmic and Programming Society

National Institute of Technology, Rourkela

- Developed structured learning resources and pathways to facilitate steady progress for beginners and advanced coders alike..
- Collaborated with other members to plan and execute club events, ensuring a seamless experience for participants.
- Mentored junior members, providing individualized guidance and strategies to enhance their performance in contests like Codeforces, CodeChef, and ICPC.