AMRUTANSHU MISHRA

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Education

National Institute of Technology, Rourkela   **August 2023 – Present**
*Bachelor of Technology in Computer Science and Engineering (**CGPA - 9.59**)*   *Rourkela, Odisha*

Mother's Public School, Bhubaneswar   **May 2023**
*AISCCE – CBSE, Science (PCM) (Percentage - **95%**)*   *Bhubaneswar, Odisha*

El Nissi Mission School, Junagarh   **May 2021**
*AISSE – CBSE (Percentage - **94%**)*   *Junagarh, Odisha*

Relevant Coursework

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

Projects

Talkify-Real Time Chat Application   **December 2024 – January 2025**
React, Node.js, MongoDB, Socket.io, JWT, TailwindCSS, Daisy UI, Render   *Visit My Website*

- Built a real-time chat app using React and Socket.io, supporting **10+** users and handling **1000+** messages.
- Integrated JWT-based auth and access control to secure **100%** of user sessions.
- Optimized frontend performance with MVC, reducing load times by **25%** and enhancing responsiveness by **20%**.
- Crafted intuitive navigation and chatroom switching UX, reducing user drop-off rate by **20%** during active sessions.

Converge -Video Conferencing Application   **December 2024 – January 2025**
Next.js, TypeScript, Clerk, Stream, Vercel, GitHub   *Visit the website*

- Engineered a scalable video conferencing tool for **50+ users**, with support for **10+** parallel meetings.
- Improved communication reliability with **99.9% uptime** and reduced video latency by **20%**.
- Streamlined login with Clerk, achieving sub-**500ms** auth speed and **95%** cross-browser compatibility.
- Implemented collaboration features like screen sharing and participant control, used in over **10+** sessions.

Achievements/Certifications

- **Algoblitz**   **March 2025**
  Ranked **2nd** in a multi-year coding competition (1st–4th year) at NIT Rourkela.

- **Leetcode**   **February 2025**
  Achieved a peak rating of **1802** on LeetCode and attained a global rank of **1430** in Weekly Contest **421**.

- **ALgo Utsav(Team Contest): A competitive programming competition**   **February 2025**
  Secured **1st Rank** in a nationwide, team contest with **2500+ participants** from top engineering colleges across India.

- **Codeforces: Specialist Title**   **December 2024**
  Earned the title of Specialist with a peak rating of **1475** on Codeforces, a top Competitive Programming platform, and secured an overall rank of **329 globally** in Codeforces **Round 993 (Div. 4)**.

- **CodeChef: Division 2 Coder**   **July 2024**
  Attained a rating of **1665** on the CodeChef platform, holding the status of a **Division 2** participant   *CodeChef ID*

Technical Skills

- **Languages**: C, C++, Java, Python
- **Developer Tools**: VS Code, Sublime, Git-GitHub, Postman
- **Technologies/Frameworks**:React.js, Tailwind CSS, Node.js, Express.js, MongoDB

Extracurricular Activities

Algorithmic and Programming Society   **December 2023 – Present**
Technical Member – Algorithmic and Programming Society   *National Institute of Technology, Rourkela*

- Mentored **50+** students weekly in data structures and algorithms with a focus on ICPC-style problem solving, enabling them to confidently tackle intermediate LeetCode and Codeforces contest problems.
- Organized competitive programming contests with **1000+** participants, ensuring smooth execution and engagement.