AMRUTANSHU MISHRA

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Education

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

Mother's Public School, Bhubaneswar — **May 2021**
*AISCCE – CBSE, Science (PCM) (Percentage - **95%**)* — *Bhubaneswar, Odisha*

El Nissi Mission School, Junagarh — **May 2019**
*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*
- Developed a full-stack real-time chat application supporting **10+** simultaneous users with low-latency message delivery.
- Set up GitHub-based CI/CD for auto-deployment on Render, reducing manual deployment effort by **60%**.
- Designed an intuitive React.js interface with MVC, reducing page load time by **25%** .
- Implemented real-time notifications and presence indicators, increasing user interaction by **25%**.

Converge -Video Conferencing Application — **December 2024 – January 2025**
Next.js, TypeScript, Clerk, Stream, Vercel, GitHub — *Visit the website*
- Developed a secure and scalable video conferencing platform with support for **50+** users and potential scaling for **10+** simultaneous meetings of **5+** participants each.
- Solved real-world challenges in online communication by ensuring **99.9%** uptime, reducing video latency by **20%**, and achieving user authentication speeds of under **500ms**.
- Implemented secure authentication with Clerk, achieving login times under **500ms** and ensuring **95%** browser compatibility for smooth cross-platform performance.

Achievements/Certifications

- **Leetcode** — **February 2024**
  Achieved a peak rating of **1802** on LeetCode and secured an overall rank of **1430** globally in Weekly Contest **421**.

- **ALgo Utsav(Team Contest): A competitive programming competition** — **February 2024**
  Secured **Rank 1** in a prestigious nationwide programming contest, competing across the country.

- **Codeforces: Specialist Title** — **December 2024**
  Achieved 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**
  Achieved a rating of **1665** on the CodeChef platform, holding the status of a **Division 2** participant — CodeChef ID

- **Codechef** — **July 2024**
  Secured overall of rank **25 globally** in codechef platform in starters 138 division 3 contest

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*
- Trained **50+** students in ICPC strategies, enhancing problem-solving efficiency.
- Organized competitive programming contests with **150+** participants, ensuring smooth execution and engagement.

Algo Utsav 2025 - A competitive programming competition — **December 2024 – January 2025**
Organizing Team Member — *National Institute of Technology, Rourkela*
- Coordinated logistics for **250+** participants and partnered with a team of **10+** to foster an agile and collaborative environment for seamless event execution.