

# ADITYA MISHRA

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## Education

<b>B.Tech computer science and engineering</b> <i>Feroze Gandhi Institute of Engineering And technology,Raebareli</i>	<b>Graduated: 2026</b> 7
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<b>Class 12 CBSE</b> <i>ABS International School,Jaunpur</i>	<b>Graduated: 2021</b> 86.8
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## Skills

**Programming Language:** JavaScript,Java,C,Python

**Frontend:** HTML,CSS,React.js,Bootstrap

**Backend:** Node.js,Express.js,REST APIs

**Database:** MongoDB,MySQL

**Tools And Technologies:** Git, GitHub, VS Code, Socket.IO

**Core CS Concepts:** OOPS, DBMS, Operating Systems, Computer Networks

## Projects

### Real-Time Collaborative Code Editor

**Tech Stack:** React.js, Node.js, Express.js, Socket.IO, Monaco Editor, Piston API

- Designed and developed a real-time collaborative code editor using React.js and Node.js, supporting multiple users per session.
- Implemented Socket.IO-based WebSocket communication to achieve near real-time code synchronization ( $\approx$ 300 ms latency).
- Enabled room-based collaboration, allowing users to create and join unique coding rooms.
- Integrated Monaco Editor to provide an IDE-like coding experience in the browser.
- Implemented multi-language code execution for 4+ languages (C++, Java, Python, JavaScript) using Piston API.
- Built RESTful APIs using Express.js for room creation, user management, and code execution requests.
- Improved application responsiveness and stability through efficient state management and event handling.

### AI Blog Generator

**Tech Stack:** React.js, JavaScript, Tailwind CSS, Gemini API

- Developed a responsive Single Page Application (SPA) using React.js to generate AI-based blog ideas.
- Integrated Gemini API using asynchronous API calls to dynamically generate content.
- Implemented async/await to handle API responses efficiently and reduce UI blocking.
- Utilized React hooks for state management and optimized component re-rendering.

## Acheivements & Certifications

- **TCS CodeVita:** Secured Rank 57 (Round 1) and Rank 585 (Round 2), showcasing strong problem-solving and competitive programming skills.
- **Oracle Cloud Infrastructure AI Foundations Associate (2025) :** – Gained foundational understanding of cloud computing and AI concepts. [link](#)
- **Full Stack Development (MERN Stack) – NIELIT, Gorakhpur** covering React.js, Node.js, Express.js, MongoDB, and RESTful API development.  
[link](#)
- **Placement Coordinator:** Led campus placement initiatives by coordinating with recruiters, managing student-company communication, scheduling interviews, and ensuring smooth execution of recruitment drives.