

# Siddharth Patil

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## TECHNICAL SKILLS

**Languages:** Java, JavaScript, TypeScript, C++, SQL, HTML/CSS

**Frameworks:** Spring Boot, Express.js, Next.js, Tailwind CSS

**Libraries:** React.js, Redux Toolkit, Mongoose, Socket.io, Axios, React Router

**Developer Tools:** Git, GitLab CI/CD, VS Code, IntelliJ IDEA, Postman, MongoDB Compass

**Databases:** PostgreSQL, MongoDB, MySQL

**Key Concepts:** Agile Methodology, SOLID Principles, RESTful APIs, Microservices, JWT Authentication, CI/CD Pipelines

**CS Fundamentals:** Data Structures & Algorithms, Operating Systems, Computer Networks, Database Management Systems (DBMS)

## EDUCATION

**National Institute of Technology Raipur**

Dec 2020 – June 2024

*Bachelor of Technology in Electronics and Communication Engineering; CGPA: 7.61*

*Raipur, Chhattisgarh*

## EXPERIENCE

**Assistant Systems Engineer**

Aug 2024 – July 2025

*Tata Consultancy Services*

*Ahmedabad, Gujarat*

- Developed and maintained Spring Boot RESTful APIs for reliable data persistence and integration with client applications
- Implemented Hibernate ORM with PostgreSQL for efficient database transactions, reducing query latency and improving backend performance by 25%
- Built 35+ responsive UI screens with Next.js, TypeScript, and Tailwind CSS, optimized for accessibility and cross-platform compatibility
- Enhanced application performance with SSR and SSG, reducing page latency by 2 seconds and improving Core Web Vitals by 40%
- Automated CI/CD pipelines with GitLab, cutting deployment cycles by 30% and eliminating manual release errors
- Collaborated with cross-functional Agile teams to deliver 5+ product releases, ensuring on-time delivery of client requirements

## PROJECTS

**QuoteWise** | *React.js, Node.js, Express.js, MongoDB, NodeMailer, Google Gemini API*

[GitHub](#) | [Live](#)

- Developed scalable quote platform with 10,000+ entries, featuring low-latency search, category tagging, and content management
- Automated personalized daily email campaigns via NodeMailer, delivering content to 250+ users and increasing engagement by 40%
- Built secure user login system with OTP-based verification, JWT session management, and role-based access control (RBAC)
- Integrated Google Gemini API for AI-driven quote generation, enhancing user retention and content diversity

**CodeRunner** | *React.js, Node.js, MongoDB, Express, Monaco Editor, Piston API*

[GitHub](#) | [Live](#)

- Developed a lightweight web app to store and run code snippets directly from the browser, reducing the need for external IDEs
- Integrated Monaco Editor for in-browser code editing with syntax highlighting and editor shortcuts
- Integrated PistonAPI to support execution of 7+ programming languages including Python, C++, and Java
- Implemented secure JWT-based authentication for user sessions and snippet management

## ACHIEVEMENTS

- Achieved Global Rank 795 out of 32,000+ participants in LeetCode Weekly Contest 458 [[LeetCode Profile](#)]
- Achieved LeetCode Contest rating of 1762 placing in top 10% of users through consistent performance
- Solved 800+ Data Structures and Algorithms problems across LeetCode and CodeStudio [[CodeStudio Profile](#)]