

# SIDDHARTH PATIL

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## EDUCATION

### National Institute of Technology - Raipur

Bachelor of Technology - Electronics and Communications Engineering

2020 – 2024

CGPA - 7.61

## EXPERIENCE

### Software Engineer

Tata Consultancy Services

August 2024 – Present

- Designed and developed 35+ responsive UI screens using **Next.js**, **TypeScript**, and **Tailwind CSS**, ensuring a consistent experience across devices
- Leveraged **SSR** and **SSG** in Next.js to reduce page load time by **2s**, improving performance and user retention
- Implemented global state management with **Redux**, reducing component re-renders by **25%**
- Utilized **Azure** for secure API integrations, authentication, and deployment, enabling scalable architecture
- Managed CI/CD pipelines with **GitLab**, automating workflows and reducing deployment time by **30%**
- Collaborated with cross-functional teams to deliver robust technical solutions aligned with business goals

## PROJECTS

### QuoteWise | *ReactJS, NodeJS, MongoDB, Express, NodeMailer, GeminiAPI*

[Link](#)

- Built to solve the problem of **quote clutter** by helping users **store, organize, and retrieve** favorite quotes in one place
- Used **NodeMailer** to **automate daily delivery** of randomly selected quotes to users' inboxes
- Implemented **secure authentication** using **JWT and OTP verification** ensuring robust protection of user accounts and sensitive data
- Integrated **Gemini API** to generate personalized, AI-driven quotes based on user-provided tags, enhancing user experience

### Musicity | *ReactJS, NodeJS, MongoDB, Express, Clerk, Socket.io, ShadCN*

[Link](#)

- Designed to enhance **shared music discovery** through **real-time streaming and chat**
- Utilized **Socket.io** to implement **live chat functionality** and **real-time music updates**, enabling interactive listening experiences
- Integrated **ClerkAuth** for **seamless and secure user login/registration**
- Implemented a **dynamic music queue system** for **smoother transitions** and **interactive listening**

### CodeRunner | *ReactJS, NodeJS, MongoDB, Express*

[Link](#)

- Built to eliminate the hassle of switching between local files and IDEs when managing and testing code in different languages
- Developed a simple web app that allows users to save and run code snippets from a browser, organized by topic
- Used **PistonAPI** to enable execution of multiple programming languages within the app
- Implemented **JWT-based authentication** to provide secure user authentication

## SKILLS

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

**Frontend Technologies:** HTML5, CSS3, JavaScript (ES6+), React.js, Next.js, TailwindCSS

**Backend & Databases:** REST APIs, Express.js, MySQL, MongoDB

**Fundamentals:** DBMS, Operating Systems, OOPS, Computer Networks

## ACHIEVEMENTS

- Global Rank - **1201** in LeetCode's Weekly Contest 444 among **28,000+ participants** (Rated among **top 15%** on the site)
- Combined **600+ problems solved** on various coding platforms like [LeetCode](#), [CodeStudio](#), and [GeeksForGeeks](#)

## EXTRA CURRICULARS

- Vice Captain - Chess team, NIT Raipur
- Vector Head - Graphic Design Community, NIT Raipur