SIDDHARTH PATIL

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EDUCATION

National Institute of Technology - Raipur   2020 – 2024
Bachelor of Technology - Electronics and Communications Engineering   *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, Gemini API
- Developed a full-stack quote management platform to help users organize and retrieve their favorite quotes
- Automated daily quote delivery using **NodeMailer**, increasing engagement through scheduled content drops
- Implemented **JWT and OTP-based authentication** to ensure secure access and data protection
- Integrated **Gemini API** to generate AI-personalized quotes, enhancing interaction by **40%**

Musicity — ReactJS, NodeJS, MongoDB, Express, Clerk, Socket.io, ShadCN
- Engineered a real-time music collaboration platform featuring shared streaming and live chat
- Utilized **Socket.io** to power real-time communication, supporting **50+ concurrent users**
- Integrated **Clerk** for secure user authentication and streamlined onboarding
- Built a dynamic queueing system for collaborative playlist control and seamless transitions

CodeRunner — ReactJS, NodeJS, MongoDB, Express
- Created a browser-based IDE for writing, saving, and executing code snippets in multiple languages
- Leveraged **PistonAPI** to support execution of **20+ programming languages** directly from the frontend
- Implemented secure session handling with **JWT**, protecting user-generated content
- Designed topic-based organization to streamline learning workflows for students and developers

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