OM TIWARI

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Education

Delhi Technological University	**2021-2025**
B.Tech — Chemical Engineering (Major) and Computer Science (Minor)	*CGPA: 7.8*
Bhavan's B.P. Vidya Mandir	**2020**
Class 12th	*CBSE: 92%*
Sanjuba High School	**2018**
Class 10th	*CBSE: 93%*

Relevant Coursework

- Data Structures
- Algorithms Design
- Operating Systems
- Software Development
- OOPS
- DBMS
- Computer Networks
- Discrete Mathematics

Professional Experience

Recruizo — May 2024 - July 2024
Full Stack Developer Intern — *Remote*

- Architected and implemented a high-performance coding contest platform using **TypeScript, NextJs, ExpressJs,** and **MongoDB**, resulting in a 40% increase in system efficiency and 30% reduction in response time.
- Designed and developed **RESTful APIs** for comprehensive system management, including admin functions, contest creation, problem sets, user profiles, and authentication protocols.
- Developed a responsive user interface with Next.js, Tailwind CSS, and ShadCN, boosting user engagement by 25%.
- Integrated **AWS S3** for secure, scalable storage of test cases, optimizing data management and retrieval processes.

Technical Skills

Programming Languages: C++, , JavaScript/TypeScript, Python, SQL
Technologies: React.js, Next.js, Node.js, Express.js, WebSockets, Postman, VS Code, Git, GitHub,
Databases: MySQL, PostgreSQL, MongoDB
Miscellaneous: Multithreading, Design Patterns, Low-Level Design,

Projects

Opal-Ai | *NextJs, Express.js ,Electron.js, TypeScript, AWS S3, OpenAI* — **Jan 2024**

- Developed a full-stack video recording and streaming platform using **Next.js, Electron, and Express**, supporting real-time screen/webcam capture and 720p/1080p recording.
- Integrated **AI-powered features** like video transcription, smart summaries, custom thumbnails, and dynamic video length based on user plans.
- Enabled seamless collaboration with team workspaces, viewer activity feeds, email notifications, and **AWS-based** video storage and sharing.

Clash Deck Pro | *TypeScript ,NextJs,TailWindCss,OpenAi* — **Oct 2023**

- Developed an AI-powered Clash Royale deck builder with a responsive **Next.js** frontend and robust **API integrations**.
- Implemented personalized deck recommendations using **OpenAI API** and player analytics via the Clash Royale API.
- Key Features: AI-driven deck generation, player profile analysis, offline functionality (PWA), and seamless deck sharing.

Secure payments | *JavaScript, React,Nodejs,mongoose,MongoDB* — **Mar 2024**

- Engineered a secure payments application with an intuitive **React** frontend and powerful **Express.js** backend.
- Ensured transaction security and data integrity through Mongoose transactions and data validation with **Zod**.
- Key Features: Secure payment handling, rigorous data validation, and a user-friendly interface with Tailwind CSS.

Achievements

Ranked in **Top 3%** among 1 million students in JEE exam.
Led basketball team to 1st place in Ahvahan'24 collegiate tournament with teams across India.
Won **1st place** in Miranda House college's Market Maze business case competition.

Certifications

Introduction to Database Systems, NPTEL (IIT Madras)

Introduction to Algorithms and Analysis, NPTEL (IIT Kharagpur)