Tirthan Prajapati

+91 8469305374 | E-mail | Linkedin | Github | Leetcode

Education

Vellore Institute of Technology	**June 2021 – June 2025**
Bachelor of Technology in Computer Science	CGPA: 8.3
Ryan International School, Surat	**August 2021**
ICSE (12th Board)	CGPA: 9.0

Technical Skills

- **Core Areas:** Full-Stack Development, Machine Learning, Process Automation, and Cloud Infrastructure.
- **Technical Knowledge:** Data Structures, Algorithms, Operating Systems, and Database Management Systems.
- **Languages and Frameworks:** C++, JavaScript, Python, React.js, Next.js, and Java.
- **Tools and Technologies:** SQL, NoSQL, TensorFlow, MongoDB, Docker, Kubernetes, Git and CI/CD.

Experience

Suvidha Foundation, Remote   **November 2024 – January 2025**
Full Stack Developer Intern

- Designed a modular HR platform using a microservices architecture, which streamlined and automated various hiring stages, improving system efficiency.
- Built a user-friendly front-end interface with React.js, providing an interactive experience for candidates and recruiters.
- Created back-end services with Node.js, integrating Google Mail API to automate sending offer letters and notifications.
- Developed APIs to enable smooth internal operations and real-time communication between different system modules.

WITEX Solutions, Surat   **January 2023 – May 2023**
Software Development Intern

- Engineered a comprehensive software system to monitor textile production, delivering insights on machine efficiency and productivity.
- Configured and deployed a SQL-based data logging solution to store real-time metrics, enabling fast and reliable report generation.
- Utilized JavaScript frameworks alongside SQL queries to enhance the system's usability and simplify data operations.

Projects

Car Rental Platform   **January 2025**
Technologies: MERN Stack | Live Demo

- Developed a full-stack, responsive car rental platform, processing over 500 bookings in the first month.
- Built and optimized RESTful APIs, ensuring seamless data flow and mobile-friendly user experience.
- Implemented secure JWT-based authentication, enhancing login security and transaction integrity.
- Improved performance and accessibility, reducing load times by 30% and increasing user retention.

Peer-to-Peer File Transfer   **January 2024**
Technologies: React, JavaScript, Socket.io | GitHub Repo

- Constructed a secure peer-to-peer file-sharing platform, ensuring encrypted data transfers for privacy and reliability while supporting file sizes up to 500MB.
- Developed and optimized RESTful APIs with response times under 200ms, ensuring smooth backend operations and enabling easy scaling on Vercel.
- Integrated strong security measures, including password hashing, to safeguard user data and file integrity for over 100 active users concurrently.

Achievements

- Secured a top 20 placement in Asia out of 500+ participants during the Break the Code 2.0 competition.
- Won 2nd place in the BitWars 2.0 coding competition among more than 200 participants.
- Completed over 500 programming challenges across competitive coding platforms.

Extracurricular

- Led workshops on competitive programming for over 250 students, fostering a thriving community of more than 500 members.
- Regularly participated in national and international hackathons, enhancing teamwork abilities.