TANUJ MAHAJAN

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📍 Gandhinagar, Gujarat

Education

S.N.J.B. K.B.J. College of Engineering   **2020 - 2024**

Bachelor of Engineering in Computer Engineering, Honors in Cyber Security   *Nashik*

- CGPA: 8.68/10.0 (First Class with Distinction)

Relevant Coursework

- Java-SpringBoot
- ReactJS
- JS
- C++
- HTML
- Maven
- PostgreSQL
- CSS
- Python
- MySQL

Experience

Bhaskaracharya National Institute for Space Applications and Geo-informatics (BISAG-N)

Jan 2025 – Present

Full Stack Developer Intern   *Gandhinagar, Gujarat*

- Developed and optimized RESTful backend APIs for government-facing applications using Java, Spring Boot, and MySQL.
- Designed scalable modules and implemented business logic using Spring MVC and JPA.
- Improved API response times by up to 40% through optimized data structures and query performance tuning.
- Ensured maintainability by writing modular, reusable code with robust logging and exception handling.
- Collaborated in Agile sprints, contributing to planning, development, and code reviews.

KodNest   **June 2024 - Dec 2024**

Intern   *Remote*

- Completed a 6-month intensive technical training program focused on full-stack Java development and problem-solving.
- Gained hands-on experience with Java, JDBC, Hibernate, Servlet, and Spring Boot through real-world assignments and mini-projects.
- Strengthened frontend skills using HTML, CSS, JavaScript, and React by building responsive and interactive web interfaces.
- Practiced data structures and algorithms rigorously to improve logical thinking and coding proficiency for technical interviews.

Zensar Technologies Pvt.Ltd   **Dec 2022 - Feb 2023**

ESD Intern   *Remote*

- Participated in the Employability Skill Development (ESD) Program focused on Core Java and Oracle SQL.
- Built a Student Information Management System using Java and SQL to understand CRUD operations and relational schema design.
- Strengthened object-oriented programming concepts and SQL query building through hands-on assignments and mentorship.

Projects

Safety Statistics Analysis Tool (STAT) | *Java, SpringBoot, PostgresSql, HTML, CSS, JS, JQuery, BootStrap*
- Developed a full-stack web app for the Indian Navy to analyze workplace safety incidents.
- Built REST APIs in Spring Boot with role-based access and validation.
- Integrated PostgreSQL via JPA for report persistence and analytics.
- Created interactive front-end with charts for real-time trend visualization.

Personal Information Management System (PIMS) | *Java, Spring Boot, PostgreSQL, HTML, CSS, JavaScript*
- Built a secure web system to track and manage personal data of Indian Army.
- Implemented Spring Boot APIs and PostgreSQL integration.
- Added role-based access and dynamic UI with jQuery and Bootstrap.

Online Booking Library System | *Java, SpringBoot, MySQL*
- Created REST APIs to manage borrowing/return with validation logic.
- Used JPA with MySQL for robust data persistence.

Indoor Map Navigation | *PHP, MySQL, HTML, CSS, JS, XAMPP*   **Oct 2023 - Apr 2024**
- Built a campus navigation tool for students using geolocation.
- Applied shortest path algorithms and dynamic route rendering.

Technical Skills

Languages: Java, C++, Python, C, SQL, C#

Web Development: ReactJS, HTML, CSS, JavaScript

Databases: MySQL, PostgreSQL

AI Tools: ChatGPT, Copilot, Gemini, Cursor AI, VIBE Coding

Environments: VS Code, Eclipse, STS

Version Control: Git, GitHub, Docker

Methodologies: Agile, OOP

Other: STL, Collection Framework

Design Tools: Canva, Figma, Prezi

Certification

CCNA Networking Fundamentals   **June 2024**

Best Paper Presentation   **Oct 2022**

OOP Using C++   **Oct 2021**

GK Olympiad - 5th in District   **Feb 2015**

Activity

OPEN-SOURCE Club Head   **July 2023 – July 2024**

CSI-Nashik Chapter Student Coordinator   **Jan 2022 – July 2024**