Tanvi Kokitkar

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EDUCATION

Bharati Vidyapeeth Deemed to be University, Pune | Mumbai   **June 2026**

B.tech Computer Science and Engineering | GPA: 10.00, Sem 7

- **Courses:** Programming Fundamentals, Object-Oriented Programming, Database Management System, Operating Systems, Computer Networks, Software Engineering.

Ryan International School, Bangalore   **June 2022**

- **12th Grade, CBSE | Percentage: 72%**
- **10th Grade, CBSE | Percentage: 92%**

TECHNICAL SKILLS

- **Languages**: Java, JavaScript (ES6+), TypeScript, HTML5, CSS3, SQL
- **Backend & Databases:** PostgreSQL, Express.js, Node.js, RESTful APIs, Relational Database Design, CRUD Operations, Server-side Rendering(SSR), SQL Query Optimization,Spring Boot, Spring Data JPA, Hibernate.
- **Frontend Frameworks & Libraries**: React.js, AngularJS, Node.js, Framer Motion, Component based architecture
- **Data Analytics & Visualization**: Tableau, Dashboard Development, KPI Tracking, Business Intelligence, ETL processes
- **Development Tools**: Git, GitHub, Docker, Version Control (Git), Postman, Agile Development
- **Design & Collaboration**: UI/UX Design, Responsive Design, Cross-Browser Compatibility, Figma, Pixel-Perfect Implementation
- **Core Competencies**: API Integration, Performance Optimization, Data-Driven Problem Solving, Technical Documentation

RELEVANT EXPERIENCE

Schneider Electric | Bengaluru, India   **Jul. 2025 - Sept. 2025**

Data Analytics Intern

- Developed and automated **5+ KPI dashboards** in Tableau to monitor sales performance and supply chain efficiency, providing actionable insights that helped reduce reporting time by **20%**.
- Developed a new Tableau dashboard to analyze multi-state performance metrics, which was adopted by the regional leadership team and contributed to a **10%** improvement in logistics efficiency.
- Implemented data-driven solutions to drive business growth and efficiency.

KrishLabs| Bengaluru, India   **Jan. 2025 - Apr. 2025**

Front-End Developer Intern

- Spearheaded frontend development for two key products, achieving **30%** faster feature delivery through modular design practices.
- Developed and deployed a fully responsive, SEO-optimized website using React.js, resulting in a **60%** increase in organic traffic.
- Designed interactive UI/UX components with Framer Motion, enhancing engagement by **35%**.
- Collaborated with design and backend teams for seamless API integration, ensuring pixel-perfect
- implementation.

PROJECTS

AI-Powered SQL Analytics Platform | *Personal Project*   **Jan. 2026**

- Engineered a full-stack BI tool using **React, Express, and PostgreSQL** that converts natural language voice or text commands into complex SQL queries, enabling non-technical users to extract insights without writing code.
- Designed an interactive **SQL Staging Terminal** that intercepts AI-generated code, allowing users to validate and edit queries before execution; this workflow prevents "AI Hallucinations" and ensures 100% query accuracy.
- Enforced the **Principle of Least Privilege** by architecting a strict read-only database access layer, safeguarding sensitive business data against accidental modification or SQL injection attacks.
- Integrated the **Web Speech API** to build a responsive voice-controlled interface, reducing query time by 40% and providing a seamless hands-free experience for data retrieval.
- Deployed a local **LLM (Llama 3.2)** via an **Express.js** middleware to handle query generation, eliminating external API costs and ensuring data privacy by keeping all prompt engineering on-premise.

Aksha- Women Safety App | *Hackathon Project 2nd runner up (56+ teams)*   **Apr. 2025**
- Designed a high-priority **SOS trigger system** that bypasses standard UI delays to immediately transmit geospatial data to emergency contacts and local authorities.
- Implemented a **natural language processing (NLP)** chatbot to provide immediate psychological support and legal guidance, offering a safe space for users to seek 24/7 assistance.
- Leveraged **WebSockets** to establish low-latency, bi-directional communication for the "Bubbles" feature, enabling instantaneous location sharing and distress alerts between users and nearby responders.
- Engineered the mobile application using **React Native**, ensuring a consistent user experience across iOS and Android while maintaining a single, optimized codebase.

Visualizer Backend (Spring Boot & PostgreSQL) | *Personal Project*   **Jan. 2026**
- Architected a high-performance **RESTful API** using **Spring Boot 3** and Java 17, implementing a 3-layer architecture (Controller, Repository, Model) to ensure a clean separation of concerns and high scalability.
- **Engineered seamless data persistence** by integrating **PostgreSQL** with **Spring Data JPA**, utilizing **Hibernate ORM** for automatic schema management and complex query execution.
- **Optimized data retrieval** with custom repository query methods (e.g., country-based filtering) and implemented **Full CRUD operations** (Create, Read, Update, Delete) to handle dynamic sales data.
- **Integrated Interactive API Documentation** via **Swagger (OpenAPI 3)**, providing a live interface for testing endpoints and reducing developer onboarding time.
- **Developed a cross-origin compatible service** using `@CrossOrigin` to support seamless communication with a **React.js** frontend dashboard.

LEADERSHIP EXPERIENCE

Joint General Secretary - Student Council | Bharati Vidyapeeth, Navi Mumbai   **Sept. 2025 - Present**
- Co-led student council operations, acting as a key liaison between the student body and college administration to address concerns and spearhead the successful execution of campus-wide events.

Literature Club Founder | Bharati Vidyapeeth, Navi Mumbai   **Oct. 2023 - May 2024**
- Spearheaded all club activities by organizing and hosting literary events, workshops, and author discussions to foster a vibrant reading culture and increase student engagement on campus.

CERTIFICATIONS

Spoken Tutorial | IIT, Bombay   **Jan.2025**
1. [**Javascript Training**](#)
2. [**Java**](#)

ACHIEVEMENTS

- **2nd Runner-Up | University-Level Hackathon (Unstop):** Secured a podium finish among 200+ individuals by developing a React Native safety app; earned recognition for technical innovation and project impact.
- **Client Requirement Engineering:** Acted as a primary liaison and conducted discovery sessions with clients to translate business needs into technical specifications and actionable project roadmaps.
- **Anchoring & Oratory Excellence:** Hosted 10+ major university events and secured top honors in elocution competitions, demonstrating elite-level public speaking and audience management skills.