

## Profile Summary

Full Stack Developer with 1+ years of experience delivering scalable and secure web applications using **React.js**, **Node.js**, **Express.js**, and **MongoDB**. Proficient in architecting RESTful APIs, integrating **OAuth 2.0**, and deploying real-time communication via **Socket.IO**.

## Work Experience

**GL Bajaj Institute of Technology and Management**  
*Technical Engineer (Full Stack Developer)*

02/2025 – Present

- Developed a backend for a Spotify-inspired system using **Node.js**, **Express**, and **MongoDB** with **JWT-based authentication** and access control.
- Built and deployed a scalable **AI chatbot** integrating **OpenAI** and **Google Gemini APIs**, handling **500+ daily interactions**.
- Designed modular REST API architecture for music and chatbot features, improving maintainability and scalability.
- Strengthened platform security with **bcrypt**, validation layers, and structured error handling, achieving **99.8% uptime**.
- Implemented an interactive **React.js** frontend with Markdown rendering and typing animations, increasing user engagement by **30%**.
- Trained and supported **200+ interns/juniors** on Git workflows, Postman testing, and CI/CD practices.

**Marwadi Education Foundation's Group of Institutions**  
*Software Engineer*

07/2023 – 05/2024

- Built a backend system supporting **federated learning** for traffic prediction, increasing model accuracy by **4%**.
- Created and secured REST APIs with encrypted communication and strict validation to prevent data leaks.
- Enhanced frontend integration using **React.js**, improving perceived responsiveness by **30%**.

## Technical Skills

**Languages:** JavaScript, Python

**Technologies & Tools:** React.js, Node.js, Express.js, MongoDB, Bootstrap, RESTful APIs, Socket.IO, Mongoose, Joi, Git, GitHub, JWT Authentication, VS Code, Postman, OpenAI API, Google Gemini

## Projects

**Anvaya CRM System** | [Live Demo](#) | **React.js, Node.js, Express, MongoDB**

12/2025

- Developed a CRM automation platform used for tracking and managing **5000+** leads, agent assignments, pipeline stages, and customer interactions.
- Architected backend workflows with **25+ REST API endpoints** and scalable MongoDB schema supporting search, filtering, analytics, and reporting.
- Designed an interactive UI with dynamic sorting, status indicators, and permission-based access improving task execution efficiency by **55%**.

- Integrated analytics dashboards using **Chart.js**, visualizing conversion ratios, win/loss patterns, and weekly performance trends for decision making.
- Automated follow-up cycles, reminders, and reporting—reducing manual workload by **75%** and boosting lead processing speed by **40%**.
- Achieved consistent performance at scale with **<200ms API response latency** and optimized server load handling for **1K+ active records simultaneously**.

### MyShopieApp — Full-Stack E-Commerce Platform | Live Demo | MERN Stack      11/2025

- Built a production-ready e-commerce application supporting **10K+ catalog products**, order handling, cart persistence, wishlist tracking, and user personalization.
- Implemented secure authentication flow using JWT, role-based access, refresh tokens, and bcrypt hashed credentials protecting **1000+ user accounts**.
- Optimized MongoDB queries using compound indexes and aggregation pipelines—reducing database lookup time by **35%**.
- Improved checkout workflow with pre-filled address caching and multi-step validation, increasing completion rate by **60%**.
- Enhanced user engagement by **50%** using wishlist intelligence, recently viewed item memory, and dynamic recommendation logic.
- Maintained stable performance under load with **<150ms API response time** and seamless client navigation using Vite-optimized rendering.

### AI ChatBot — Gemini + OpenAI Powered | Live Demo | MERN Stack      10/2025

- Built an intelligent conversational bot using Gemini 2.5 Pro and OpenAI models with memory persistence and contextual reply chaining.
- Developed asynchronous message handling pipelines with validation layers, retry logic, throttling, and persistent history storage.
- Optimized backend compute cost using Redis-based caching and API request gating, reducing server load by **35%**.
- Designed an interactive UI with typing animation, Markdown rendering, and auto-scroll improving engagement by **30%**.
- Delivered stable real-time usage for **100+ daily active users** with **99.8% uptime**.

## Education

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**Dr. B. R. Ambedkar National Institute of Technology, Jalandhar**

M.Tech in Computer Science and Engineering - CGPA: **8.12**

**08/2021 – 07/2023**

Jalandhar, Punjab

**Dr. B. R. Ambedkar National Institute of Technology, Jalandhar**

B.Tech in Computer Science and Engineering - CGPA: **7.91**

**07/2016 – 07/2020**

Bareilly, Uttar Pradesh