JEGANATHAN I

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Objective

Final year B.Tech student at Manakula Vinayagar Institute of Technology, I'm a software developer with a focus on building robust systems, currently learning Spring Boot and DSA.

Technical Summary

- **Programming Language**: Python, JavaScript, Java (Basic), TypeScript
- **Frontend**: HTML, CSS, JavaScript, Tailwind CSS, GSAP, Next.js, React js
- **Mobile Dev**: React Native, Android Studio, Expo
- **Backend**: Express js, Python(Flask), Spring Boot(Basic)
- **Database**:MongoDB, Redis, PostgresSQL(basic)
- **Version Control**: Git, GitHub
- **Design Tools**: CapCut, PicsArt, Canva
- **Development Tools**: Postman, Git, Docker, Linux, Selenium, BeautifulSoup

Experience

Ignite Skylabs - Internship
Full Stack App Developer

- **Ridemap 365 App and Web**: Built a real-time bus tracking system for admins and users with live location updates via WebSocket.
- **Developer Attendance Dashboard**: Developed an admin-controlled attendance system to track bus-wise counts and provide analytics.

Education

Manakula Vinayagar Institute of Technology, Puducherry	*B.Tech in AI & ML, July 2026*
Government Higher Secondary School, Thirunallar	*HSC, July 2022*
Cauvery Public School, Neravy	*SSLC, July 2020*

Projects

Git SH (MERN, WebSocket, WebRTC)

- Developed a real-time chat application with WebSocket and WebRTC for seamless text and video communication.
- Implemented a follower-following system to enable users to connect and interact within their network.

Portfolio Bot (Python, Web Scraping, Automation)

- Built a portfolio bot using a fine-tuned Gemini model that scrapes portfolio data for intelligent responses.
- Designed a React-based UI for seamless interaction and user-friendly experience.

LoadBalancer (Nginx, Docker, Redis, SocketIO)

- Clients connect via WebSocket to multiple servers behind an Nginx load balancer, enabling horizontal scalability and fault tolerance.
- Messages are published to Redis Pub/Sub by any server and broadcasted to all connected clients across servers, ensuring real-time sync.

Certifications

- MongoDB Node.js Developer Path — MongoDB

- Hands-on React.js from Beginner to Expert — Udemy