



# JEGANATHAN I

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## Objective

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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 automation.

## Technical Summary

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- **MERN Stack:** MongoDB, Express.js, React.js, Node.js
- **Programming Languages:** Python, Javascript, Java(Basic), Typescript
- **Automation:** selenium, BeautifulSoup
- **Frontend:** HTML, CSS, JavaScript, Tailwind CSS, Gsap, Next js
- **Mobile Dev:** React Native, Andorid Studio, Expo
- **Backend:** REST APIs, MongoDB Atlas, JWT Auth , Flask, WebSocket, Firebase
- **Version Control:** Git, GitHub
- **Design Tools:** CapCut, PicsArt, Canva
- **Development Tools:** Postman, Git, Docker

## Education

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**Manakula Vinayagar Institute of Technology**, Puducherry  
**Government Higher Secondary School**, Thirunallar  
**Cauvery Public School**, Neravy

*B.Tech in AI & ML, July 2026*  
*HSC, July 2022*  
*SSLC, July 2020*

## Projects

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### Git SH (MERN, web socket, web RTC)

- 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 Scarping, 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 (Ngnix, 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

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- MongoDB Node.js Developer Path — MongoDB
- Hands-on React.js from Beginner to Expert — Udemy
- JavaScript Fundamentals to Advanced — Udemy