Udumalpet, TN-India | www.greatsiteaddress.com

NAGULAN CK

8438531953 | nagulanlan7@gmail.com

EXPERIENCE

JUNIOR MERN STACK DEVELOPER, Yale IT Skill hub | Coimbatore,TN

2026 – PRESENT

- Utilized JavaScript (ES6+), React.js, Node.js, and Express.js to construct, debug, and maintain scalable, responsive web applications.
- Handled end-to-end API management, designing secure RESTful endpoints and integrating external microservices for seamless frontend-backend communication.
- Managed NoSQL database architectures using MongoDB, writing efficient data schemas and aggregation queries to support complex application workflows.

PROJECTS

JARVIS DESKTOP ASSISTANT, Sree Saraswathi Thyagaraja College | Pollachi, TN

2024– 2025

- **Engineered 'Jarvis'**, a multifunctional AI voice assistant using Python, leveraging speech_recognition and pyttsx3 to deliver an interactive offline/online human-computer experience.
- **Automated local system operations** by developing custom modules with os, psutil, and pyautogui to monitor real-time CPU/battery health, capture media, and manage file architectures programmatically.
- **Built a password-based voice authentication gateway** to prevent unauthorized system access.

AI MOCK INTERVIEW, Sree Saraswathi Thyagaraja College | Pollachi, TN

2025 – 2026

- **Built a full-stack mock interview platform** using the MERN stack integrated with Anthropic Claude AI to dynamically generate role-specific questions and parse user resumes via pdf-parse and mammoth.
- **Developed a robust AI evaluation engine** providing instant performance feedback, tracking letter grades, scores, grammar accuracy, and response sentiment across multiple interactive interview modes.
- **Integrated the Browser Speech Recognition API** for seamless voice input alongside a responsive countdown timer and performance dashboards built with Recharts line charts.

EDUCATION

MASTER OF COMPUTER APPLICATIONS

Sree Saraswathi Thyagaraja College, JUNE 2026 | CGPA : 7.5

SKILLS

Languages: HTML, CSS, JavaScript
Frameworks: ReactJS, Express, NodeJS, jQuery, Tailwind CSS, Bootstrap, Motion.dev
Database: MongoDB, SQL, MYSQL, Supabase
API: REST, Postman, Gemini API Integration
Tools: GIT, GitHub, VS code, Antigravity (AI Editor),Figma