RAGUL M

AI | MERN DEVELOPER

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Portfolio-website 🌐

SUMMARY

Multifaceted IT student open minded to AI, and Web Development. Proven dedication to delivering intuitive solutions and continuously learning. Seeking opportunities to contribute to solve problems in a dynamic environment.

EDUCATION

B.Tech Information Technology

Government College of technology • Coimbatore • 2026

TECHNICAL SKILLS

Languages: JavaScript, HTML/CSS, PHP, MongoDB, MySQL ,Python.

Framework: React,Express.js,Flask

Developer Tools: Git, Docker, VS Code, Visual Studio, IntelliJ, Eclipse,OS-Linux,Ubuntu

Certification: Pre Security , Cybersecurity Essentials-CISCO,

PROJECT

MERN-STACK - CHAT_APP 🌐

- Built a real-time chat application supporting group messaging using Socket.io
- Implemented user authentication & authorization with JWT and bcrypt for secure login and signup.
- Enabled persistent chat history with MongoDB, ensuring messages are stored and retrievable.
- Added features like online/offline status, typing indicators, and message timestamps.**ProjectLink**

MERN AI CHAT_BOT

- Developed an AI-powered chatbot application using MERN stack integrated with LLM APIs for natural language responses.Using Gemini Api key.**ProjectLink**
- Designed a RESTful backend with Express.js, enabling user queries to be processed and responded to in real-time.Designed a responsive React.js frontend with a clean chat interface with modern apps.
- Implemented secure environment variable handling with dotenv for API key management.

PLANT_ANALYSIS_GEMINI_AI 🌐

- Built an AI-powered plant analysis tool that analyzes uploaded plant images using Google Gemini AI to identify species, assess health, and provide care recommendations.
- Implemented image upload & processing pipeline with Multer, converting images to base64 for AI model input.Designed backend APIs for image analysis (/analyze) and report
- Generated detailed plant analysis reports with species, health status, and care tips, downloadable as PDF .**ProjectLink**

PERSONL AI WORKFLOW AUTOMATION-N8N

- Developed a personal AI assistant workflow using n8n to automate chat, email, and calendar management.Built a modular AI agent system with chat, memory, and tool integration
- Integrated Google Gemini Chat Model to process natural language queries and maintain contextual memory.
- Automated email workflows: fetch incoming messages, generate AI-driven replies, and send responses through Gmail.**ProjectLink**

LEADERSHIP - Placement Representative

- Maintained and organized student placement data ensuring accuracy.
- Coordinated with placement cell and recruiters for smooth interview and recruitment processes.
- Supported students by sharing placement-related information, schedules, and updates.