

RAGESH P

AI Application Developer | Full Stack Developer | AI & Automation Enthusiast

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PROFESSIONAL SUMMARY

Information Technology undergraduate (B.Tech, Honors) with hands-on experience building AI-powered and full-stack applications. Built RescueLens-AI, a multimodal camera-and-voice assistant using Google Gemini 1.5 Pro on Google Cloud Platform, and SimplifyED, a full-stack AI tutoring platform with automated quiz generation. Proficient in Python, JavaScript, React, REST APIs, and prompt engineering, with a working foundation in Data Structures, Algorithms, and DBMS. Seeking a Software Engineer / AI Application Developer role to apply these skills at production scale.

EDUCATION

M.A.M COLLEGE OF ENGINEERING AND TECHNOLOGY

2023 - 2027

B.Tech (Honors) - Information Technology | CGPA: 8.23

Relevant Coursework: Data Structures & Algorithms, DBMS, Software Engineering, Web Technologies

ST. JAMES HIGHER SECONDARY SCHOOL

2023

HSC - Computer Science | Percentage: 78.5%

TECHNICAL SKILLS

- **Languages:** Python | JavaScript | Java Basics | SQL | HTML5 | CSS3
- **Core CS:** Data Structures & Algorithms Basics | Object-Oriented Programming | DBMS | Software Engineering | AI Engineer
- **Frameworks & Libraries:** React.js | Node.js | Pandas | NumPy | Scikit-learn | Matplotlib
- **AI Tools & Version Control:** Google Gemini API | Prompt Engineering | Git | GitHub | VS Code

EXPERIENCE

NOVITECH R&D PRIVATE LIMITED | Artificial Intelligence Intern

March 2024 - April 2024

Coimbatore, Tamil Nadu (Remote)

- Built and trained a classification & regression model on a demo dataset using Python and Scikit-learn, achieving 89% accuracy on the validation set.
- Cleaned and preprocessed raw data (missing values, feature scaling, encoding) with Pandas and NumPy to prepare training-ready datasets.
- Evaluated model performance against baseline and documented findings in a technical report shared with the R&D team.
- *Tech stack: Python, Scikit-learn, Pandas, NumPy, Matplotlib.*

PROJECTS

RESCUELENS-AI - Multimodal AI Assistant

github.com/MrRagesh/RescueLens-AI

TypeScript . Google Gemini 1.5 Pro . Google Cloud Platform . Built for Google AI Hackathon

- Designed and built a multimodal assistant that ingests real-time camera and voice input, using Google Gemini 1.5 Pro to interpret visual scenes and spoken queries into actionable responses.
- Engineered the input pipeline to synchronize image and audio streams before passing combined context to the Gemini API, keeping end-to-end response time under 5ms seconds.
- Independently designed, developed, deployed, and demonstrated the complete RescueLens-AI application on Google Cloud Platform during the Google AI Hackathon .

SIMPLIFYED - Full-Stack AI Educational Platform

github.com/MrRagesh/SimplifyED

TypeScript . Full-Stack Development . AI Tutoring

- Built a full-stack AI-powered learning platform end-to-end (React frontend, backend API, database) supporting interactive, personalized tutoring sessions.
- Implemented an AI chat assistant using the Gemini API for real-time student Q&A, and an automated quiz-generation module that builds assessments directly from course content.
- Designed the data model and API layer connecting the quiz engine to the frontend, reducing manual quiz-creation effort by an estimated 80%.

PERSONAL PORTFOLIO - 3D Animated Personal Branding Website

github.com/MrRagesh/Personal-Portfolio-Website

HTML5 . CSS3 . JavaScript . EmailJS . WhatsApp Direct Message

- Built a fully responsive, 3D-animated personal branding website with mobile-first layouts and scroll-triggered animations to showcase technical projects and freelance services.
- Integrated EmailJS and WhatsApp direct messaging for lead capture, and optimized asset loading and rendering for a Lighthouse performance score of 92/100.

ACHIEVEMENTS

- Selected for the Google AI Hackathon; built and deployed RescueLens-AI, an AI-powered multimodal assistant, within the event's build window.
- Maintain an active GitHub portfolio of 39+ repositories spanning AI, full-stack, and automation projects.