RAGAVAN R

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SUMMARY

Curious-minded and driven aspiring **Software Engineer** with a deep passion for technology and a hunger to explore the ever-evolving tech landscape. Naturally adaptable, quick to learn, and always eager to dive into new tools, frameworks, and challenges. Known for a growth mindset, collaborative spirit, and a genuine enthusiasm for building meaningful, real-world solutions. On a mission to turn curiosity into code and ideas into impact.

TECHNICAL SKILLS

Languages & Frameworks: Python / HTML / CSS / JavaScript / SQL / Flask / Streamlit

Tools & Platforms: Git / GitHub / VS Code / Canva / API Integration **OS**: Windows / Linux

AI & Libraries: OpenCV / Dlib / AI Tools

PROJECTS

AI-Powered Code Debugger Assistant
AI — Developer Tools — LLM Integration   *Python, Streamlit, Groq API*
  • Developed a code debugger with LLMs for bug fixes and suggestions.
  • Achieved **80% accuracy** with code generation and translation features.
  • Optimized for students and developers to enhance coding efficiency.

Drowsiness Detection and Alerting System
Computer Vision — Real-Time Alert System   *Python, OpenCV, dlib, SMTP*
  • Created a real-time drowsiness detector using facial tracking.
  • Achieved **90% accuracy** and triggered alerts via beeps and email.
  • Sent snapshots to ensure safety.

EXPERIENCE

Full Stack Web Dev Intern   Oct 2024 – Nov 2024
Knackforge Soft Solutions Pvt. Ltd.   *Chennai, India*
  • Developed a portfolio and file manager using full stack tools.
  • Gained hands-on experience in web development.
  • Explored tools and industry practices.

AI Intern   Oct 2024 – Nov 2024
Virtual Internship   *Remote*
  • Built AI projects using Pygame, NumPy, Pandas.
  • Applied ML for data handling and modeling.
  • Collaborated remotely on AI tasks.

EDUCATION

GKM College of Engineering and Technology (Anna University)   Chennai, India
B.E. in Computer Science and Engineering, 8.2 CGPA   *2021 – 2025*
Ananthavalli Matriculation Higher Secondary School   Tamil Nadu, India
Higher Secondary Certificate (HSC), 81%   *2019 – 2021*

CERTIFICATIONS & ACHIEVEMENTS

  • **IBM Skill Build AI** Certification
  • **1st Place** in IOT & CYBERSECURITY WORKSHOP Competition