Raagavi G

✉ raagavi2105@gmail.com   in **LinkedIn**   🔗 **Portfolio**

EDUCATION

•**B.Tech in Computer Science and Engineering**   *2022 - 2026(Expected)*
SRM Institute of Science and Technology, Chennai   CGPA: 9.58

WORK EXPERIENCE

•**Technical Intern**
June 2024 – July 2024   Vidya Sagar CSO, Chennai, Tamil Nadu

- Built and maintained a Django-based student management system, reducing hard copy data dependency by 100%.
- Converted paper-based data into digital format using the Tesseract OCR library, followed by comprehensive data cleaning and transformation to ensure accuracy and usability.
- Conducted various tests to ensure system stability and scalable architecture under various scenarios.
- Collaborated with a team of 5 to deploy additional functionalities, improving system adoption among teachers by 40

•**Research Intern**
Sept 2023 – Dec 2023   MIT Square, London (Remote)

- Devised a closed-loop cooling system for data centers, reducing freshwater consumption by 90% through renewable energy integration.
- Researched and implemented sustainable heat regulation techniques, contributing to a 30% reduction in energy costs.
- Co-authored a research paper under the mentorship of Dr. Bharat (Grambling State University, USA), currently under peer review and a part of the "Best Intern Team of the Year" among 60+ interns with Cross-functional teamwork.

PROJECTS

•**XCRM – Mini CRM Platform**   *Customer Segmentation, Campaign Management, and AI Insights*
React.js, Node.js, MongoDB

- Developed a full-stack CRM with customer segmentation, dynamic campaign builder, and AI-powered message suggestions, covering 100% of assignment features.
- Engineered a rule-based AI suggestion system to recommend campaign messages based on customer behavior, reducing manual effort by 60%.
- Designed RESTful APIs and integrated Swagger documentation, improving backend usability and testability by 90%.

•**FinLit: Financial Literacy Platform**   *Interactive Financial Assistance*
Django, AI Chatbot, PostgreSQL

- Developed a financial literacy platform featuring financial literacy assessment, recommendations and a chatbot that resolved 95% of user queries on investment and savings.
- Engineered a scalable backend using Django and PostgreSQL, handling 100+ concurrent users with optimized query performance. Integrated 5+ interactive charts and expenditure visualizations, improving user engagement and financial planning accuracy by 40%.

•**WorkZen: Developer Productivity Prediction**   *Comprehensive Productivity Insights*
Python, Streamlit, Scikit-learn

- Constructed a productivity prediction model using Random Forest with an F1 score of 87
- Created an intuitive Streamlit dashboard for personalized recommendations, resulting in a 25% increase in user productivity insights. Collaborated with a team to optimize the model's performance, reducing prediction time by 30%.
- Analyzed over 5,000 developer profiles and work-life balance data to identify patterns affecting productivity.

TECHNICAL SKILLS

- **Languages:** Python, JavaScript, C, C++, SQL   **Frameworks:** React.js, Node.js, Express.js, Django, Flask, Streamlit
  Databases: PostgreSQL, MySQL, MongoDB   **Tools & Cloud:** Git/GitHub, Figma, Vercel, REST API Development, AWS, GCP   **AI/ML:** Retrieval-Augmented Generation (RAG), Hugging Face, Semantic Search

AWARDS & CERTIFICATIONS

- JPMC Code for Good 2025 Winner
- Machine Learning A-Z – Udemy
- Academic Excellence – Dept. 3rd Rank (Sem 1)
- Best Intern Team of the Year – MIT Square

- Code Vipasanna – GCP DUET AI Certification
- AWS Forage – Solution Architect Certification
- Deloitte Forage Data Analytics Simulation
- She Innovates Hackathon – Winner