
VENKATA SRI RAGHAVENDRA GUNTURI

ASPIRING SOFTWARE ENGINEER

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WEBSITES, PORTFOLIOS, PROFILES

- <https://www.linkedin.com/in/raghavendra-gunturi/>
 - <https://github.com/RaghavendraGunturi1>
 - <https://resumeraghavendragunturi.vercel.app/>
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PROFESSIONAL SUMMARY

Engineering student with a focus on building practical, user-centered tech solutions through applied research and experimentation. Experienced in developing systems that integrate AI, IoT, and automation to address real-world challenges. Strong foundation in software architecture, rapid prototyping, and system-level thinking. Actively explores emerging technologies to design solutions that are both scalable and impactful.

SKILLS

- Experience with Bootstrap development
 - Proficient in Django development
 - Collaborative project management
 - Web development using HTML
 - Java application design
 - Cross-functional teamwork
 - Prompt Engineering
 - Cascading Style Sheets
 - Git repository management
 - Experience with Firebase integration
 - C programming expertise
 - Experienced in Python programming
 - Analytical problem-solving
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EXPERIENCE

Technical Member at Mc Arthi Technical Club, 12/2023 - 08/2027

ACE Engineering College – Hyderabad, India

- **Organized 5+ technical events** as a Technical Lead, engaging over **200 participants** and increasing tech involvement by **40%**.
- **Mentored 50+ juniors** in project execution, leading to **10+ completed projects** and a **25% improvement** in technical skills.
- Conducted **weekly mentoring sessions** and provided individual support, contributing to a **30% boost** in team performance.
- Solved **15+ high-priority technical issues**, delivering solutions that boosts functionality and raised user satisfaction by **20%**.
- Introduced **standardized workflows and documentation**, cutting onboarding time by **35%** and reducing delivery errors.
- Leveraged **Agile (Scrum + Sprints)** for task coordination, ensuring **100% on-time project delivery** with improved team alignment.

National Service Scheme (NSS) Member), 12/2023 - 08/2027

ACE Engineering College – Hyderabad, India

- **Managed crowd control and event discipline** at **10+ public and private functions**, ensuring smooth operations and safety.
 - **Adapted rapidly to new tools and roles**, reducing onboarding time by **30%** and contributing in high-paced environments.
 - Enhanced **team coordination** through effective verbal and written communication across diverse groups.
 - **Led multiple NSS camps**, impacting **100+ community members** through programs focused on education, hygiene, and civic responsibility.
 - **Onboarded 40+ juniors** into NSS, resulting in a **50% rise in volunteer participation** and sustained engagement.
 - Maintained **consistent performance across academics and extracurriculars** through efficient time management and prioritization.
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EDUCATION

LANGUAGES

English
Telugu

Hindi

PUBLICATIONS

A study of Codeloop: A Django-based coding platform, World Journal of Advanced Research and Reviews, Kavitha Soppari, Venkata Sri Raghavendra Guntur, Harshitha Raparathi, Manish Goud Bimagoni, Gunturi Venkata Sri Raghavendra, 2025-05-01, 2025-06-30, <https://doi.org/10.30574/wjarr.2025.28.3.2455>, This paper presents CODELOOP, a Django-based coding platform built to provide students with a structured and real-time programming practice environment. It features user authentication, problem-solving, and automated code evaluation via Judge API, backed by an SQLite database. Designed for academic institutions, it offers user progress tracking, administrative controls, and future expansion capabilities like AI feedback, multi-language support, and collaborative tools. The platform demonstrates 98% accuracy and aligns closely with educational needs, standing out from existing commercial platforms.

ACCOMPLISHMENTS

Achieved second place in the CodeArt Competition at Daksha 3.0, demonstrating innovation and technical creativity.

CERTIFICATIONS

Prompt Engineering for Everyone Issued by IBM Skills Network & Cognitive Class

Course in Machine Learning Completed in collaboration with Cognizance'24, IIT Roorkee

Course Completion in AR Glasses Issued by Infosys Springboard

Wings of Innovation Drone Workshop Participated in the workshop focused on innovation in drone technology

Python Course Completion from Vagdevi Technologies Completed a course focusing on Python programming

NPTEL Problem solving through C Programming

PROJECTS

Online Code Judge Platform (Codeloop)

- Built a full-stack web platform using **Django** for solving coding problems with real-time feedback.
- Integrated the **Judge0 API** for secure multi-language code execution and user authentication.
- Designed a clean, responsive interface using **Bootstrap 5**.

Hand Gesture-Controlled Virtual Mouse (HandMouse)

- Developed a hands-free mouse system using **OpenCV** and **MediaPipe** for real-time fingertip tracking.
- Enabled gesture-based actions like movement, clicks, drag, and scroll with **99.9% control accuracy**.

Dog Adoption Web Platform (dog_adoption)

- Created a Django-based portal for listing and adopting dogs, including secure user profiles.
- Designed a **behavioral trait-based recommendation system** to match adopters with suitable pets.

AI Desktop Assistant (jarvis_desktop_assistant)

- Built a Python-based voice assistant to automate tasks like web search, calculations, and app launching.
- Optimized user experience through speech recognition and command execution modules.

IoT Smart Home System (JARVIS_Smart_Home)

- Developed a home automation system using **ESP32** and relays for appliance control via mobile and PC.
- Emphasized **low-cost, reliable, and scalable design** for real-world smart home integration.