

SIRIGNYA REDDY

+91-9493209036 | sirignyareddy@gmail.com | [linkedin.com/in/sirignya-reddy/](https://www.linkedin.com/in/sirignya-reddy/)

EDUCATION

Bhoj Reddy Engineering College for Women
GPA 8.15

Hyderabad
Nov. 2022 – present

SKILLS

Languages & Databases: C, Java, Python, HTML, CSS, MySQL, MongoDB

Tools & Analytics: Machine Learning, Power BI, Tableau, PyCharm, Google Colab, VS Code, Git

PROJECTS

AVA Desktop Assistant — Python, Kivy, AI

[Link](#)

- Developed a cross-platform desktop assistant using Python and Kivy. Combined GUI design with real-time speech recognition and text-to-speech features.
- Automates tasks like app launching, WhatsApp/Gmail messaging, web search, and live updates (weather, news, object detection). Boosted efficiency by **40%** via voice/text commands.

Automated Attendance System — Python, OpenCV, Face Recognition

[Link](#)

- Built a facial recognition-based attendance system that captures faces via webcam and marks attendance by comparing facial encodings in real-time. Used OpenCV and pre-trained models for fast detection and matching.
- Reduced manual effort by **50%**, improving accuracy and preventing proxy attendance in institutions.

Object Detection System — Python, YOLOv8, OpenCV

[Link](#)

- Implemented real-time object detection using YOLOv8 and OpenCV with high accuracy on multi-class object identification from live feeds. Trained with COCO weights for multi-class recognition.
- Enhanced surveillance systems and reduced manual monitoring by **35%** with accurate live video classification.

Hospital Management Website — HTML, CSS, PHP, MySQL

[Link](#)

- Developed a responsive web app to manage hospital workflows: patient registration, appointment scheduling, and staff management using PHP and MySQL.
- Automated administrative workflows and record handling, achieving a **40% reduction** in manual data processing and improving operational efficiency.

Automatic Hand Sanitizer Dispenser — Arduino, Ultrasonic Sensor, IoT

- Engineered a touchless dispenser using Arduino UNO and ultrasonic sensors for motion detection and servo-based dispensing.
- Promoted safe hygiene during COVID-19 with **100% contact-free sanitation**, eliminating surface contact in public areas.

CERTIFICATIONS & ACHIEVEMENTS

Hackathons

- Runner-up** – Vel Tech National Hackathon (Tech Innovation Challenge)
- Participated in national-level hackathons: Cypher-ProjectExpo, Jijnasa-DevSprint, Festronix-Webathon, led a 5-member team at Smart India Hackathon (SIH).

Certifications

- Certified in Prompt Engineering for Generative AI and Foundations of Generative AI – Microsoft & LinkedIn.
- IBM SkillsBuild & CSRBX Micro-Internship – Data Science & AI.
- Certified – Data Science using Python – Brainovision.
- Workshop – AI Dashboards using Power BI – Skill Nation.
- Certified – Salesforce Cloud Basics.

Leadership & Awards

- AI Club Coordinator – **Organized technical sessions and fostered peer learning in AI/ML.**
- Cultural Coordinator – **BRECW College Fest (2022–Present)**; managed major student events.
- Winner – Throwball Tournament, *Silver Jubilee Sports Fest (2022)*.