

SIMHADRI YERRALALEPPAGARI

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OBJECTIVE

Aspiring Software Engineer with a solid foundation in computer science and practical experience in software development through academic projects and internships. Proficient in multiple programming languages and adept at problem-solving. Highly motivated to contribute to cutting-edge projects and drive continuous improvement in a dynamic tech environment.

EDUCATION

MCA (Master of Computer Applications)

Jawaharlal Nehru Technological University

CGPA: 8.25

Anantapur, Andhra Pradesh

Oct 2022 – Jun 2024

B.Sc. in Mathematics, Electronics and Computer Science (MECs)

Mahatma Degree College

CGPA: 8.0

Uravakonda, Andhra Pradesh

Jun 2019 – Aug 2022

TECHNICAL SKILLS

Programming Languages: Java, Python, C, PHP, SQL

Web Technologies: HTML, CSS

Databases & Tools: MySQL, Git, Visual Studio Code, Anydesk, Microsoft Teams

IT Support: Hardware/Software Troubleshooting, Windows (7–11), Outlook, BitLocker, MFA

Subjects & Concepts: Computer Networks, OOPS

PROJECTS

Virtual Keyboard Controlled By Hand Gestures

Aug 2023 – Jan 2024

Computer Vision and Human-Computer Interaction — *Python, Flask, OpenCV, Mediapipe*

- Developed a virtual keyboard enabling touchless interaction using real-time hand gesture tracking.
- Integrated Mediapipe for accurate hand landmark detection and OpenCV for video stream processing.
- Designed a Flask UI with full keyboard input and system controls (Enter, Backspace, Volume, Brightness).

Kreeda: Sports Events Management Platform

Jan 2024 – Jun 2024

Web Application Development — *HTML, CSS, JavaScript, PHP, MySQL*

- Developed a centralized platform to manage sports events from planning to execution.
- Implemented online participant registration, venue and seat management, and feedback collection.
- Created an admin dashboard with reporting and a responsive UI for organizers and participants.

EXPERIENCE

Full Stack Development Intern, CodeAlpha

Remote — June 2024 – July 2024

Worked on developing full-stack web applications using HTML, CSS, JavaScript, Java and MySQL. Built Java-based back-end components, wrote SQL queries, fixed functional bugs and used Git for version control.

Certificate: [View Certificate](#)

CERTIFICATES

- [Java Data Structures for Beginners – Great Learning](#)
- [Introduction to Cybersecurity – Great Learning](#)
- [Azure AI Engineer Associate – Microsoft](#)