GADDAM POOJITHA

+91-9441231375 | poojithagaddam2006@gmail.com |

 poojitha-gaddam | Poojitha-90

Hyderabad, Telangana - 500043, India

OBJECTIVE

Seeking a challenging position in the software development field to leverage my expertise in full-stack development, data structures, and algorithmic problem-solving. Aiming to contribute to innovative projects at the intersection of scalable web technologies and real-world application development in areas such as enterprise software, cloud computing, and AI-driven solutions.

EXPERIENCE

- **Internship at Electrical Sub-Station** *May 2024 – June 2024*
  Intern – Substation Operations and Maintenance Pochampally, India
  - Observed and assisted in the operation and maintenance of electrical equipment including transformers and circuit breakers.
  - Gained hands-on experience in monitoring power distribution and understanding substation control systems.
  - Supported daily load analysis, maintenance scheduling, and fault detection processes.
  - Maintained documentation and safety compliance records under supervision of engineers.

EDUCATION

- **Institute of Aeronautical Engineering** *2023 - 2027*
  Bachelors of Technology in Electronics and Communication Dundigal,India
  - GPA: 8.8/10.0

- **Sri Chaitanya Junior College** *2023*
  MPC Hyderabad,India
  - Grade: 9.45%

- **St.Peters Grammar School** *2021*
  X Class Hyderabad,India
  - GPA: 10/10

PROJECTS

Ultrasonic Radar System *June 2025*

- Designed and built a radar system using ultrasonic sensors to detect object proximity and direction.
- Integrated Arduino with a servo motor to provide 180-degree scanning coverage.
- Visualized distance and direction of obstacles on a real-time radar interface.
- Applied embedded programming techniques for sensor control and signal processing.

Intern Edge – Web-Based Internship Toolkit *May 2025*

- Developed a responsive web platform for internship preparation with categorized resources.
- Implemented dynamic sections for resume tips, interview QA, and platform links using JavaScript.
- Designed intuitive UI/UX using HTML and CSS for student-friendly navigation.
- Ensured compatibility across devices using media queries and modern layouts.

Own AI Agent-AI Powered Personal Assistant *February 2025*

- Created a virtual assistant capable of answering contextual queries using LangChain and OpenAI APIs.
- Built a Flask web app interface for text input/output and voice command support.
- Integrated task management, web search, and information summarization features.
- Applied natural language processing to provide human-like responses.

Gas Leakage Detection System *November 2024*

- Built a gas leakage detection system using MQ sensors for real-time monitoring.
- Triggered alarms and sent SMS alerts via GSM module on detecting hazardous gas levels.
- Programmed microcontroller logic for continuous data acquisition and threshold-based alerts.
- Designed the system to be cost-effective, reliable, and suitable for household use.

SKILLS

- **Languages:** Python, Java, Python with Data Science, HTML/CSS
- **Frameworks & Tools:** Flask, AutoCAD, Xilinx Vivado
- **Concepts:** Object-Oriented Programming (OOP), Data Structures, IoT, PCB Design
- **Version Control:** Git, GitHub
- **IDEs:** VS Code,Arudino IDE,NI Multisim
- **Soft Skills:** Project Management, Team Leadership, Technical Documentation

CERTIFICATIONS

- **Python for Beginners – Great Learning**
- **Career Edge – Young Professional TCS iON**
- **Introduction to Soft Skills – TCS iON**
- **Core Java Guide: Key Features & OOP – Udemy**
- **Java Programming Fundamentals – Infosys Springboard**
- **Python with Data Science – Infosys Springboard**
- **Python Programming – HackerRank**

ADDITIONAL INFORMATION

Languages: English (Fluent), Telugu (Native), Hindi (Conversational)
Interests: Public Speaking, Problem Solving, UI Designing, Blogging