

A SANTHOSH

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Professional Summary:

Highly motivated B.E. graduate in Artificial Intelligence and Machine Learning from Visvesvaraya Technological University, Sri Krishna Institute of Technology, Bangalore. Equipped with robust technical skills and hands-on experience in drone embedded systems, front-end development, and AI-driven projects. Enthusiastic about contributing to innovative projects in a dynamic team environment.

Technical Skills

Languages and Databases: Python, Java, DBMS

Frameworks & Tools: HTML, CSS, JavaScript, Data Science, Pandas, NumPy, Excel, PowerPoint, Word

Platforms: Visual Studio Code, PyCharm, Google Colab, Jupyter Notebook, Turbo, Streamlit

Soft Skills: Communication, Problem-Solving, Teamwork, Leadership, Motivation

Experience

GEN – ED TECHNOLOGY

Oct 2023 – Nov 2023

Drone Technology & Embedded Systems

Remote

- Designed and implemented embedded systems for drones using Arduino and Raspberry Pi.
- Developed automation scripts in Python to enhance drone functionality, including real-time data acquisition and control systems.
- Applied IoT concepts to enable remote monitoring and control of drone activities.

Projects/Awards & Achievements

Farming Assist ChatBot | Team Leader

Sept 2024 – Dec 2024

- Developed a specialized chatbot for farming assistance to support farmers with agriculture advice, crop management, pest control, weather forecasting, and seasonal cropping recommendations.
- Built the chatbot using Streamlit for the interface, Transformers and PyTorch for NLP, GTTS for text-to-speech, Speech Recognition for voice input, and Streamlit Chart for data visualization.

Abnormal Activity Detection in Video Surveillance | Developer

Apr 2024 – May 2024

- Implemented deep learning algorithms in Python for real-time surveillance and anomaly detection.
- Utilized embedded systems to integrate cameras and sensors for monitoring in diverse environments.

Diabetic Prediction | Developer

Apr 2024 – May 2024

- Applied Python libraries (NumPy, Pandas, Scikit-learn) for data analysis and machine learning model development.
- Achieved 98% accuracy using Logistic Regression.

Certification

Web Development | Udemy

Robotic Process Automation | Udemy

Tata Crucible Campus Quiz 2024 | Tata Groups

TechA Cloud Computing using Microsoft Azure | Infosys SpringBoard

Block Chain foundation | Infosys SpringBoard

Education

Sri Krishna Institute of Technology(SKIT)

Sept 2021 – May 2025

Bachelor of Engineering – Artificial Intelligence & Machine Learning

Bangalore, India