

ANJANI DEVIREDDY

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EDUCATION

TKR College of Engineering & Technology

B-Tech in CSE (AI&ML) **GPA: 7.05/10**

Courses: · Deep Learning, Computer Vision, Data Structures & Algorithms

Hyderabad, Telangana

(July 2021 – July 2025)

Narayana Jr .College

MPC Course- N120 Batch (Senior Secondary Education)

Hyderabad, Telangana

(June 2019 – June 2021)

Hyderabad Public School, Begumpet

Computer Applications (Secondary Education) **Score: 91%**

Hyderabad, Telangana

(June 2009 – June 2019)

SKILLS

Programming Languages: Python, Java, C, C++

AI/ML Frameworks: TensorFlow, PyTorch, Open CV, YOLO

PROJECTS

Adaptive traffic optimization

Sep 2024 - Present

Developing an AI-powered traffic management system that uses real-time data from sensors to optimize signal timings based on live traffic density. The system applies predictive analytics to anticipate congestion and make proactive adjustments, reducing wait times and improving flow. Designed for integration with smart city infrastructure to support scalable, sustainable urban mobility.

AI Nose

Sep 2024 - Feb 2025

Built a DIY electronic nose inspired by the human sense of smell, using gas sensors to detect and learn different odors. Collected scent data and trained lightweight machine learning models to recognize and classify smells. The system can be customized for various real-world applications like food freshness, air quality, and safety monitoring.

Property price prediction

Jan 2023 - Dec 2023

The property price prediction project leverages machine learning models to analyze historical data, economic trends, and local factors such as infrastructure, amenities, and crime rates to accurately forecast property values. By using a combination of regression models and real-time data inputs, the system predicts future price fluctuations, helping investors, buyers, and sellers make informed decisions. The model also accounts for macroeconomic trends like interest rates and inflation, providing comprehensive and reliable property valuation insights tailored to specific regions or neighborhoods.

CERTIFICATIONS & ACHIEVEMENTS

Smart India Hackathon 2024 - Ministry of Education, Government of India

Sawit AI Hackathon - Guvi Geek Networks

Drawing with LLMs and Lux AI Challenge Featured Simulation Competition -Kaggle

Programming Using Python- Infosys Springboard

Advanced Software Engineering Job Simulation -Walmart USA

DGCA Remote Pilot Certification – Licensed Drone Operator

CUAV Tech Inc. Sponsorship Recipient – UAV Development

NRSC ISRO Drone Data Processing Certificate – Remote Sensing Applications