

DOMMETI KARTHIK

Bhimavaram, Andhra Pradesh

☎ +91-8143222016 ✉ karthikdommeti98@gmail.com in karthik-dommeti 🌐 karthikdommeti

Education

Sagi Ramakrishnam Raju Engineering College

B.Tech in Computer Science - CGPA: 8.2

Aug 2023 – Apr 2026

Bhimavaram, AP

Korangi Institute of Engineering and Technology

Diploma in Computer Science - 83%

Jul 2020 – Apr 2023

Korangi, AP

Sarada Convent EM High School

SSC - GPA: 9.5

2020

Amalapuram, AP

Technical Skills

Languages: Java, C++, Python

Libraries: NumPy, Pandas, Scikit-Learn

Technologies: HTML, CSS, JavaScript

Database: SQL

Tools: VS Code, Git

Soft Skills: Leadership, Teamwork, Time Management

Projects

HOMEBSITE Website – Full Stack

Demo

- HomeBite is a role-based food delivery web application built with HTML, CSS, JavaScript, Node.js, Express, and MongoDB.
- The platform connects local food vendors with customers through an easy-to-use interface.
- Features include role-based login, order tracking, JWT authentication, and a like system for dishes. Password encryption is handled securely using bcrypt.

Fire Detection System – Python, Machine Learning

Link

- Built a CNN-based fire detection model achieving 95.5% validation accuracy using TensorFlow and Keras.
- Applied data augmentation, class balancing, and early stopping for enhanced robustness.
- Integrated with OpenCV to enable real-time fire detection via live webcam.
- Trained on a curated dataset of 5,000+ fire and non-fire images to improve prediction reliability.

Internship

NIELIT Virtual Academy

May 2024 – Jun 2024

AI and Machine Learning Intern

- Gained hands-on experience implementing ML models, including classification, regression, and clustering.
- Developed a regression model to predict space weather event intensity using historical real-world data.
- Analyzed space weather features to forecast events like solar flares and geomagnetic storms.

Certifications

- TCS iON Career Edge – Young Professional — Tata Consultancy Services
- JavaScript Fundamentals to Advanced – Udemy
- Programming Essentials in C++ – Cisco Networking Academy

Achievements and Extracurricular Activities

- Won 2nd Prize in Machine Learning Workshop conducted for around 70 teams by ACE Organization.

Executive Body Member - SRKR Cine Club

- Actively involved in coordinating and planning events, and successfully organized various college-level contests and activities.