

PavanKalyan Nagulla

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EDUCATION

- **Malla Reddy University** Hyderabad, India
B.Tech in CSE (AI & ML); GPA: 8.51 2020 - 2024
- **Narayana Jr College** Hyderabad, India
Intermediate; GPA: 8.48 2018 - 2020

PROGRAMMING SKILLS

- **Languages:** Python, Java, SQL, C++, HTML, CSS, JavaScript
- **Technologies and Frameworks:** ReactJS, Machine learning, Flask, Linux, Git, AWS, Figma, NodeJS, DL, PowerBI

EXPERIENCE

- **Bharat Intern** remote
Full Stack Web Development May 2023 - June 2023
 - Developed a **Food Ordering App** using **Next.js 14**, **React.js**, **MongoDB**, and **Tailwind CSS**.
 - Implemented features such as the homepage, user authentication, profile editing, admin panel, and product listing.
 - Utilized **MongoDB** for data storage and deployed the application on **Vercel**.
- **1Stop.ai** Hyderabad, India
Machine Learning Intern Oct 2022 - Nov 2022
 - Developed a **Restaurant Rating Prediction Model** using **Random Forest Regression**, achieving **98% accuracy**.
 - Significantly increased revenue growth by **30%**.
 - Implemented the backend with **Flask**, leveraging machine learning techniques and various models to enhance predictive performance.

PROJECTS

- **CalorifyApp**
A nutrition app that analyzes food images and calculates total calories using GeminiPro Vision and Streamlit.
 - Built using **Streamlit**, implementing image upload functionality and passing images to the **Gemini API** for analysis.
 - Utilized **Google Gemini Pro Vision API** to detect and calculate total calories from images.
 - Technology Used: **Python**, **Gemini API**, **Streamlit**, **Generative AI**.
- **Kidney Disease Classification**
Classifying kidney diseases using deep learning and computer vision.
 - Developed a pipeline for data ingestion, transformation, model training, and evaluation.
 - Employed **VGG16** and other ML models, achieving **95% accuracy** with VGG16.
 - Technology Used: **Next.js 14**, **TypeScript**, **TailwindCSS**, **Shadcn.UI**, **Python**, **Flask**, **DVC**, **MLFlow**, **Deep Learning**, **Transformers**.

CERTIFICATIONS

- Android Chat app with Firebase by **iNeuron.ai**
- Developer Foundations by **NxtWave**
- Machine Learning A-Z™: Hands-On Python, R In Data Science by **Udemy**

TEACHING/LEADERSHIP EXPERIENCE

- **Campus SuperHero (Coding Blocks)** - Led campus events and programs, organizing sessions with industry experts for career development. Successfully attracted nearly 300 attendees to various events. Mar 2023 - Sep 2023