# Yaramala Karthik Reddy

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## SUMMARY

Computer Science and Engineering (AI & ML) graduate with a strong foundation in frontend development and a passion for building user-centric, scalable applications. Experienced in leveraging JavaScript, React.js, and modern web technologies alongside machine learning concepts to solve real-world problems. Thrive in collaborative environments that encourage curiosity and innovation, and committed to delivering solutions that create meaningful impact—not just completing tasks. Aspiring to contribute to projects at the intersection of intuitive user experiences, data-driven intelligence, and cutting-edge technology.

## EDUCATION

**Seshadri Rao Gudlavalleru Engineering College, Gudlavalleru, AP**                    2026
Computer Science and Engineering with Al & ML specialization

**Chaitanya Junior College, Nandigama, AP**                    2022
MPC

**Narayana E-Techno School, Vijayawada, AP**                    2020
Board of Secondary Education

## PROJECTS

**Community Fridge Website**
This website is designed to combat food insecurity by providing free, nutritious food to those in need while reducing food waste. It serves as an accessible platform connecting donors with recipients, ensuring efficient distribution of surplus food within the community.

**Student Depression Detection**
A machine learning-based project that predicts depression in students by analyzing factors like study pressure, financial stress, sleep duration, academic performance, age, and gender. Different ML algorithms were applied to classify mental health status, helping in early intervention.

**Grain Palette (Using Transfer Learning)**
This project leverages transfer learning (e.g., ResNet, Efficient Net) to classify different grain types (wheat, rice, maize) from images ,aiding in quality assessment and food security applications. The model was fine-tuned for high accuracy in identifying grain varieties and defects.

## SKILLS

- Python, C Programming, and Java
- DataBase - SQL
- Web Development: HTML,CSS,JavaScript,Reactjs
- Data Visualization using Tableau
- Artificial Intelligence, Machine Learning, Deep Learning & Reinforcement Learning

## CERTIFICATIONS

**Artificial Intelligence & Machine Learning Internship Completion Certificate"**
issued by Smart Internz.

**Introduction to Data Science with Python  course completion certificate**
issued by Harvard University.

**Introduction to Internet of Things certification from NPTEL with a score**
of 85%.

**Digital Skills Readiness Program  Course Completion Certificate**
issued by Wipro talentnext

## INTRESTS

Currently serving as President for the smile association in our college.