



ACADEMIC PROFILE

- **Shri Vishnu Engineering College for Women, Bhimavaram, India** 2022 – 2026
Bachelor of Technology in Artificial Intelligence and Machine Learning CGPA: 9.4 / 10.0
- **Tirumala Junior College for Girls, Rajahmundry** 2020 – 2022
Intermediate (MPC) Percentage: 96.7%
- **Tirumala English Medium High School, Rajahmundry** 2019 – 2020
Secondary School Certificate (SSC) Percentage: 100%

PROJECTS

- **Farmer Buddy – Smart Assistant for Crop & Fertilizer Recommendations** [🔗](#)
 - **Problem Addressed:** Many farmers face difficulties selecting optimal crops and fertilizers based on soil and climate, reducing yield.
 - **Contribution:** Integrated two machine learning models (crop and fertilizer recommendation) into a unified web platform.
 - **Technologies:** Python (Flask), React.js, Firebase, Scikit-learn, Random Forest, Gradient Boosting, Pandas
- **HR-Analytics Dashboard**
 - **Problem Addressed:** Developed to gain practical experience in full-stack web development and cloud deployment workflows.
 - **Contribution:** Developed an interactive dashboard displaying department-wise performance, tenure, analysis, and insights on job distribution, gender ratio, salary trends, top earners, staff growth, and leave balance. Implemented features like employee filtering, qualification vs. salary analysis, and quick HR insights.
 - **Technologies:** Tableau, Data Visualization, IBM HR Analytics dataset (Kaggle)
- **Image Captioning – Generating Captions for Images using Deep Learning**
 - **Problem Addressed:** Difficulty in automatically interpreting and describing visual content in images.
 - **Contribution:** Built a deep learning model combining CNN for image feature extraction and LSTM for generating natural language captions. Trained on the Flickr8k dataset.
 - **Technologies:** Python, TensorFlow / Keras, CNN, LSTM, Flickr8k Dataset

INTERNSHIPS

- **Data Science – ALTAIR** [🔗](#)
Worked with real-world datasets, performing data visualization and predictive analysis.
Duration: Apr 2024 – Jun 2024
- **Machine Learning Intern – SkillDzire** [🔗](#)
Machine Learning Intern – SkillDzire Completed hands-on training in supervised/unsupervised ML algorithms.
Duration: May 2025 – Jun 2025

CERTIFICATES

- **Java Programming:** NPTEL, Oracle Academy [🔗](#)
- **Smart Coder (Silver):** Smart Interviews [🔗](#)
- **Database Foundations:** Oracle Academy [🔗](#)

SKILLS

- **Technical Skills**

- **Languages:** Python, Java (Intermediate)
- **Full Stack:** HTML, CSS, ReactJS
- **Data Science Analysis:** Pandas, Scikit-learn, Matplotlib, Standard Machine Learning Algorithms.
- **Tools & Databases:** VS Code, Git & MySQL, Firebase
- **Data Visualisation:** Tableau
- **Core Areas:** Data Structures & Algorithms, Machine Learning

- **Personal Skills**

- Self-Motivated, Team-Oriented, Adaptable, Time Management

HACKATHONS

- **Smart India Hackathon**

Worked on **AI-Driven Crop Disease Prediction and Management System**. Developed a web application that detects crop diseases using machine learning models and provides suitable treatment suggestions and preventive measures.

Tech Used: Python, Flask, OpenCV, TensorFlow