

Balavardhan Tummalacherla

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Education

RAJIV GANDHI UNIVERSITY OF KNOWLEDGE TECHNOLOGIES, NUZVID, BTECH in Computer Science — 3rd Year 2024 – Present

- CGPA: 9.12

RAJIV GANDHI UNIVERSITY OF KNOWLEDGE TECHNOLOGIES, NUZVID, PRE UNIVERSITY COURSE ,(EQUIVALENT TO CLASS 12) 2021 – 2023

- CGPA: 9.81

Experience

BACKEND & FRONTEND DEVELOPMENT INTERN , PARABOLA9 - REMOTE | [\[Certificate\]](#) DECEMBER 2024 – MARCH 2025

- Developed a web application for a startup focused on data visualization and analytics.
- Assisted the project development team with backend setup and YOLO integration, gaining initial hands-on experience with the technologies.
- Spearheaded the development of Parabola9 initial web platform using React.js, later migrating to Next.js for improved performance and SEO
- Collaborated with cross-functional teams in an Agile environment, contributing to daily stand-ups, sprint planning, and retrospectives

SKILLS

Languages: Python, C, Java, JavaScript, Dart, SQL

Web App Development: React.js, Next.js, Node.js, Express.js, Flutter, HTML5, CSS3, Tailwind CSS, PHP

Frameworks Libraries: FastAPI, PyTorch, TensorFlow, scikit-learn, NumPy, Pandas, Matplotlib

Development Tools: Docker, Git, GitHub, VS Code

Tools Platforms: Kaggle, Google Colab, LaTeX, Figma

Soft Skills: Technical Writing, Team Collaboration, Agile Methodologies, Problem Solving

Projects

CropNex - AI Powered Crop Price Prediction [\[Link\]](#)

- A web application that uses machine learning to predict crop prices based on historical data and market trends, helping farmers make informed decisions.
- Tools Used: React, FastAPI, LSTM, Pytorch, MongoDB, Tensorflow

NutriScan: AI Powered Nutrition detector [\[Link\]](#)

- A machine learning project that analyzes food images, bar codes and nutrition labels to provide nutritional information and health suggestions.
- Developed a website using react and an app using flutter
- Tools Used: React, FastAPI, LSTM, Pytorch, MongoDB, Tensorflow

Alignment-Tuned Zero-Shot Stance Detection [\[Link\]](#)

- Designed a stance detection framework that combines reinforcement learning and contrastive learning to generalize across unseen topics.
- Built and trained the model entirely within a self-contained Colab notebook for zero-shot evaluation.

Certifications

Nptel: Java Nptel certified - [\[Link\]](#)

- Successfully completed the **NPTEL certification course on Java Programming** conducted by IIT Kharagpur.
- Learned core concepts of object-oriented programming, exception handling, file I/O, and Java libraries through hands-on assignments and quizzes.

IIRS workshop: Workshop on Geo data analysis - [\[Link\]](#)

- Completed an online course on **“AI/ML for Geodata Analysis”** conducted by ISRO-IIRS in August 2024.
- Gained foundational knowledge in applying Machine Learning techniques to spatial and geodata analytics.