Vivek Rallapally

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OBJECTIVE

An aspiring engineer from Hyderabad, Telangana, India, Bachelor of Technology in CSE-AIML in MLRIT with an aggregate CGPA of 7.81. Well versed in Python, Java, Machine Learning, NLP, Deep Learning, HTML, CSS and JavaScript and eager to learn new technologies. Possesses a collaborative mindset and enthusiasm for contributing to team efforts. Dedicated to continuous learning and staying abreast of industry trends.

EDUCATION

MLR Institute of Technology   Telangana, India
Bachelors in Computer Science Engineering - AIML   CGPA: 7.81   **2021- 2025**

Excellencia Junior College   Telangana, India
Telangana State Board of Intermediate Education: 85.2%   **2019- 2021**

Sherwood Public School   Telangana, India
Indian Certificate of Secondary Education: 73%   **2007- 2019**

SKILLS SUMMARY

Languages:	Java, Python, HTML, CSS, JavaScript, Typescript
Frameworks and libraries:	Reactjs, Tensorflow, scikit-learn, Pytorch, Nextjs
Tools:	Android Studio, Visual Studio, Figma, Jupyter, Google Colab, Git
Cloud:	AWS
Soft Skills:	Leadership, Discipline, Punctual, Adaptability

PROJECTS

Smart Traffic Management System Using YOLOv11 and GBML DQN | Reinforcement Learning

- Successfully optimised the traffic flow by using a Deep-Q-Network model in a traffic signal.

Laser security system | IOT

- Developed a laser security system that alerts users when unauthorized entry is detected.

NoPhoneDrive | Android App

- Created a mobile application that blocks phone usage while driving to enhance road safety.

XTree | Web Technologies

- Developed a Chrome extension to scrape websites and save data directly into an Excel sheet.

Clustering Algorithms | Machine Learning

- Clustered the data points using various clustering algorithms.

PXP-Fraudnet | Machine Learning

- Created a custom neural network to detect frauds in the payments domain with a front-end.

Translator | Natural Language Processing

- Successfully translated the text from one language to English.

WORK EXPERIENCE

Intern at PXP   *February 2025 – May 2025*
Reactjs, Pytorch
- Developed a **fraud detection machine learning model** using **PyTorch** to identify suspicious transactions.
- Designed and integrated a **React.js-based user interface** to visualize model outputs and predictions.
- Collaborated on bridging the **ML backend with the frontend**, enabling seamless interaction between the model and the web application.
- Improved understanding of **end-to-end ML deployment workflows** and frontend–backend integration.

Virtual Intern for Google AIML | EduSkills AICTE COHORT-8   *April 2024 – June 2024*
Tensorflow, OpenCV, Colab Notebook
- Learnt how to build **Machine Learning models** and **Neural Networks**
- Developed an **Image Processing Model**
- Built an **Object Detection model** and integrated into an app

Member | MLRIT CIE   *July 2022 – October 2023*
Web Technologies, Figma, Photoshop
- Designed and developed features for the CIE website, improving user experience and functionality as a Technical Member
- Mentored and coached over 100 students, guiding them through project development and enhancing their technical skills
- Organized and coordinated events such as Inventron and Metaloop, ensuring smooth execution and high participation
- Photographed and documented various events conducted

CERTIFICATIONS

Introduction to Machine Learning
Issued by NPTEL

Introduction to Artificial Intelligence
Issued by LinkedInLearning

Python
Issued by Hackerrank

Java
Issued by Hackerrank

LANGUAGES

English – *Fluent*, **Hindi** – *Fluent*, **Telugu** – *Native*