



# Partheev Reddy

## B.Tech- Computer Science and Engineering Objective

Motivated Machine Learning Engineer with hands-on experience in developing and implementing ML models to solve real-world business challenges. Skilled in collaborating with cross-functional teams to integrate machine learning solutions into

## Internship

**TechOptima Pvt. Ltd. | Kondapur Hyderabad**

Intern | February 2024 - June 2024

- Designed and developed web screens for the Governance, Risk, and Compliance (GRC) project, focusing on user-friendly interfaces and real-time risk management.
- Created an application for monitoring keystrokes, mouse movements, screenshots, and browsing history, enhancing system administration and security.
- Developed an AI-powered chatbot using OpenAI's API for automating user interactions in a specific business use case, improving customer engagement.

## Projects

- **Intrusion Detection using nature based algorithms**
  - Developed a machine learning-based intrusion detection system to identify malicious network activities.
  - Employed a hybrid feature selection technique combining Firefly Algorithm and Particle Swarm Optimization (PSO) to enhance model accuracy and efficiency.
  - Built and trained the detection model using TensorFlow Keras.
- **Emotion Detection Application**
  - Developed an emotion detection system using the Face Expression Recognition Dataset from Kaggle.
  - Built a CNN model with TensorFlow and Keras, achieving 67% accuracy.
  - Preprocessed 48x48 grayscale images with data augmentation to address class imbalance.
- **Video Player Application - 'SUBTLE'**
  - Built a video player application with features like video upload, streaming, likes, and comments using AngularJS for the frontend, Flask for the backend, and PostgreSQL for data management.
  - Tools Used: Angular JS, Python Flask, PostgreSQL.
- **Device Administration System**
  - Developed a comprehensive device administration system featuring real-time keystroke logging, screen capture, audio-video monitoring, and system vitals tracking for security and performance analysis.
  - Tools Used: Python (Libraries : Pynput, OpenCV, Pyaudio, Pyautogui.)

## Certifications

- [AI For Everyone]- [DeepLearning.AI]
- [Python Programming Essentials]- [Rice University]
- [Data Analysis with Python]- [IBM]
- [Data Visualisation with Python]- [IBM]
- React Fundamentals - [Board Infinity]

## Contact

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<https://github.com/PartheeV19>

## Academics

**Woxsen University | Hyderabad 2021 - 2025 |**  
**B .Tech- CSE | 2.65 CGPA**

**Excellencia Junior College | Hyderabad, India**  
**2019 - 2021 | Intermediate | 92.4%**

**Dr. KKR's Gowtham Concept School | Hyderabad**  
**2019 - 2021 | Intermediate | 74%**

## Technical Skills

- Python
- Machine Learning
- Prompt Engineering
- Front End Development
- (HTML, CSS, JS)

## Tools and Platforms

- Git
- VSCode
- Jupyter Notebook
- (HTML, CSS, JS)

## Professional Skills

- Time Management
- Team Collaboration
- Communication skills

## Languages

- English
- Hindi
- Telugu