

# RESUME

## PADMASREE CHUNCHU

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📍 Hyderabad

### PROFESSIONAL SUMMARY:

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Motivated and detail-oriented Computer Science graduate with strong skills in programming, problem-solving, and software development. Seeking an entry-level role where I can contribute to real-world projects, enhance my technical expertise, and grow within a dynamic organization.

### EDUCATION:

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#### ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING(AIML)

2022-2026

Nalla Narsimha Reddy

Hyderabad

#### Intermediate (MPC)

2020 – 2022

Narayana Junior College (92%)

Tarnaka

#### SSC

2020

Sri Chaitanya High School (100%)

Boduppal

### TECHNICAL SKILLS:

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- **Programming Languages:** Python
- **Web Technologies:** HTML, CSS, JavaScript
- **Databases:** MySQL
- **Tools & Frameworks:** VS Code
- **Core Areas:** Machine Learning, Database Management

### PROJECTS:

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- **Weather Application using Python and API**

Developed a weather forecast application using Python and OpenWeatherMap API.

Implemented real-time data fetching for temperature, humidity, and weather conditions.

Designed a simple user interface for displaying weather reports of any city.

- **Spelling Corrector using NLP**

Developed a spelling correction system using Natural Language Processing techniques.

Applied edit distance algorithm and frequency-based corrections for improved accuracy.

- **Traffic Flow Prediction and Route Suggestion System using LSTM & Random Forest**

Developed a machine learning model to predict traffic congestion and suggest optimal routes.

Used LSTM for traffic flow forecasting and Random Forest for accident/roadblock prediction.

Implemented route optimization using NetworkX in Python.

- **Noise-Resilient Video Action Recognition System**

Designed a noise-resistant system that recognizes actions in videos using Python, OpenCV, and TensorFlow/Keras frameworks. The system employs frame extraction and super-resolution generation techniques inspired by SRGAN model to enhance low-quality input videos, and then utilizes the InceptionV3 CNN with Softmax activation function for classifying the action in the input videos.

## **PUBLICATIONS**

Published a research paper on “Noise-Resilient Video Action Recognition using Deep Learning”, International Journal of Science, Management and Technology (IJSMT), 2026.

## **INTERNSHIPS:**

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### **EduSkills Virtual Internship – Java Full Stack Development**

Learned backend and frontend development using Java, Spring Boot, and MySQL.

## **ACHIEVEMENTS:**

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- Took part in BITS Hackathon, collaborated in a team to develop innovative solutions under real-time constraints.
- Represented my college in the Smart India Hackathon (SIH), collaborated in a team to develop innovative solutions under real-time constraints.
- Earned EduSkills Certification for successfully completing virtual internship training.
- Presented technical project work at college-level symposiums.

## **STRENGTHS:**

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- Quick learner with analytical mindset
- Strong teamwork and collaboration skills
- Ability to adapt to new tools and technologies