

# Prema Varsitha Palapala

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## Profile Summary

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Proactive and dedicated fresher with excellent problem-solving and collaboration abilities. Looking forward to applying academic knowledge in Python, Java, C#, and Front-End development to deliver meaningful results.

## Education

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### Master's of Computer Application | Cgpa : 8.0

Rajah RSRK Ranga Rao college | 2023-2025

### Bachelor's of Computer science | Cgpa : 8.3

Rajah RSRK Ranga Rao college | 2020-2023

## Projects

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### A Lightweight Convolutional Neural Network for Real-Time Facial Expression Detection

Technologies used: Python Django, CNN, TensorFlow / Keras

#### Description:

- Developed a lightweight CNN model using Python, TensorFlow/Keras, and OpenCV to detect and classify facial expressions from static images.
- Optimized model performance to reduce computational load by ~30%, making it suitable for deployment on low-resource systems.
- Trained and validated the model on standard facial expression datasets, achieving 85%+ accuracy in recognizing emotions such as happy, sad, angry, surprise, and neutral.
- Implemented the solution within a Django-based framework, demonstrating strong problem-solving and data analysis skills while ensuring scalability and usability.

### Random Joke generator

Technologies used: HTML, CSS, JavaScript, Angular

#### Description:

- Built a simple Random Joke Generator using Angular that fetches jokes from a public API.
- Designed basic components and a clean UI to display jokes instantly.

## Technical Skills

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Programming: Python, C#, core java

Database: MySQL

Tools & Platforms: Git, VS Code, Jupyter Notebook

Web Technologies: HTML, CSS, JavaScript, Angular

Concepts: Basic knowledge of Machine Learning, OOP,  
Data Structures

## Certifications

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- SQL | Great learning | 2024

- Python(Django)| Geeks for Geeks | 2025

## Soft skills

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- Adaptability & Flexibility
- Proactive and self learning
- Attention to detail
- Time Management
- Excellent verbal and written communication skills
- Eagerness to learn new technologies

## Languages

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- Telugu

- English

- Hindi