

# Raj Mahesh Padarthi

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## Profile Summary

I am a passionate Computer Science and AI student with expertise in **Python, Data Analytics, Power BI, Front-End Development, Machine Learning**. I have worked on impactful projects like AI Translator, E-Commerce website, AI based Smart Waste Management System. I thrive in hackathons, coding clubs, and team collaborations.

## Education

- Bachelor of Technology in Computer Science and Engineering with AI and DS  
Parul University Vadodara, Gujarat  
CGPA: 7.2 Expected Graduation: 2026
  - **Relevant Coursework:** Data Structures and Algorithms in Java and Python (Intermediate), Machine Learning, Database Management System, Operating Systems, Computer Networks

# Experience

- Web Developer Intern**, InternPe – Online Aug 2023 – Sept 2023

  - I had an opportunity to work on simple projects like E-Commerce Website, To-Do List, and Connect Four Game.
  - These projects made me strong in Front-End Fundamentals like HTML, CSS, Javascript.

## Technical Skills

## **Programming Languages:** C, Java, Python, HTML, CSS, Javascript

**Backend Technologies:** Flask, RESTful APIs

**Database Technologies:** MySQL, Oracle, MongoDB (Fundamental), SQL

**Development Tools and Platforms:** Git, Postman, VS Code

## Cloud Services: Google Cloud GCP

## Soft Skills

Communication, Team Collaboration, Problem Solving, Time Management, Adaptability.

## Projects

- AI based Waste Management System**

  - Designed and developed an AI-powered Waste Management System that utilizes computer vision and machine learning to automatically classify waste into six different categories like Glass, Paper, Plastic, Trash, Metal and Cardboard.
  - Tools Used: Python, Machine Learning, CNNs, React JS, Node JS, Tailwind CSS, Jupyter notebook.

Translator AI

- The AI Translator App is a simple graphical user interface (GUI) application built using Python and the GTK library.
  - It allows you to easily translate text using the Google Translate API. The app provides a user-friendly interface where you can enter the source text, select the target language, and view the translated text.
  - Supports various languages for translation. User-friendly graphical interface.
  - Tools Used: Python, GTK, Google Translate API

## Certifications

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- **Computer Networks and Internet Protocol** - NPTEL
- **Theory of Computation** - NPTEL
- **Database and SQL** - Infosys SpringBoard
- **Networking Basics** - CISCO
- **Python Essentials -1** - Python Institute, CISCO
- **Python Essentials -2** - Python Institute, CISCO
- **Advance Course on Emerging Technologies** - SAP