

# KARTHIK CHOPPARA

Aspiring Software Developer | Python | Web Development | Cloud Computing

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📍 Andhra Pradesh, India

🌐 karthik-choppa-portfolio-hub.lovable.app

## SUMMARY

- I aspire to join a reputed IT company where I can transform my passion for software into real-world solutions and continuously enhance my coding and problem-solving skills.

## PROJECTS

### IoT-Based Smart Waste Management System

Role: Developer

📅 Jan 2025

- Designed and implemented a smart bin system to monitor waste weight and fill levels using HX711 load cell and ultrasonic sensor.
- Integrated real-time feedback through LCD display and buzzer alerts for threshold warnings.
- Data transmitted via serial communication for centralized monitoring and analytics.
- Achieved 90% accuracy in detection, reducing overflow risks and manual inspections.
- Tech Stack: Arduino, HX711 Load Cell, Ultrasonic Sensor, LCD, Buzzer

### Travel Management System

Role: Support Developer

📅 Mar 2023

- Supported the development of a dynamic system to manage travel bookings and trip budgets.
- Contributed to the development of core features such as trip filters, real-time status updates, and administrative modules.
- Contributed to automation that improved booking workflows and reduced manual effort.
- Tech Stack: HTML, CSS, PHP, MySQL, JavaScript

## INTERNSHIPS

### Junior Software Developer Intern

PINKMOON Technologies

📅 Oct 2022 – Mar 2023

- Completed a 6-month hands-on internship in full-stack development using HTML, CSS, JavaScript, PHP, and MySQL.
- Actively participated in UI design and responsive web development.
- Demonstrated strong enthusiasm for learning and practical implementation.

### Salesforce Developer Virtual Intern

Smart Bridge in Collaboration with AICTE

📅 Aug 2022 – Oct 2022

- Completed Salesforce Trailhead modules covering Apex, Lightning Components, Process Automation, and APIs.
- Earned super badges in Apex Specialist and Process Automation.
- Successfully applied concepts in building Salesforce apps and workflows.

## TECHNICAL SKILLS

- Programming Languages: Python, Java, SQL
- Web Development: HTML, CSS, JavaScript, PHP
- Cloud & Tools: AWS (EC2, S3), Git, GitHub
- Embedded Systems: Arduino IDE, Sensors, IoT

## AREA OF INTEREST

Web Development

IoT Systems

Cloud Infrastructure

Salesforce Development

Full-Stack Development

## PERSONAL SKILLS

Quick Learner

Adaptable

Self-Starter

Project-Based Learning

Flexible in dynamic environments

## EDUCATION

Master of Computer Applications (MCA)

PSCMR College of Engineering and Technology

📅 2023 – 2025

📍 Vijayawada | CGPA: 8.06

Bachelor of Science (Computer Science)

A.N.R College

📅 2020 – 2023

📍 Gudivada | CGPA: 7.23

## CERTIFICATIONS

- AWS Academy – Cloud Foundations
- Cisco Networking Academy – Python Essentials 1 & 2
- Udemy – The Complete 2024 Web Development Bootcamp
- Infosys Springboard – Design Thinking
- TCS iON – Career Edge: Young Professional

## ACHIEVEMENTS

- Secured a position in the top 10% of participants in the NCAT 2025 – India's largest campus aptitude test conducted by Naukri.