

# RESHMITHA R

rreshmitha22@gmail.com | +917010478098 | Chennai, Tamil Nadu

## PROFESSIONAL SUMMARY

Engineering graduate with strong software development fundamentals and experience in building real-time applications using Python and computer vision. Skilled in Java, OOP, SDLC, and Git. Interested in enterprise application development using Java/JEE, web technologies, and DevOps practices.

## INTERNSHIPS

### NATIONAL SMALL INDUSTRIES CORPORATION

#### TECHNICAL SERVICES | EMBEDDED SYSTEMS & IoT

[Feb 2023 – Feb 2023] Chennai, Tamil Nadu

- Gained hands-on experience in embedded systems, microcontrollers, IoT fundamentals, and sensor interfacing through practical lab-based training.

### CODSOFT | PYTHON PROGRAMMING

[July 2024 – Aug 2024] Chennai, Tamil Nadu

- Created Python-based solutions for automation, data handling, and problem-solving using core libraries, functions, and file operations.

### UNIFIED MENTOR | WEB DEVELOPMENT

[Feb 2025 – Mar 2025] Chennai, Tamil Nadu

- Built responsive web applications using HTML, CSS, JavaScript, focusing on UI design and frontend functionality.

## PROJECTS

### PRANAV 2K24 | EVENT WEBSITE (MSEC – ECE DEPT)

- Designed and published a responsive event website showcasing event details, coordinators, and contact information for PraNav 2K24.
- Tech stack: HTML, CSS, JavaScript, Netlify

### HELMET DETECTION SYSTEM | REAL-TIME TRAFFIC

#### SURVEILLANCE SYSTEM

- Implemented a real-time helmet violation detection system achieving 90% detection accuracy using YOLOv8 and OpenCV with a Python pipeline for rider identification, annotated outputs, and automated snapshot storage.
- Tech stack: Python, YOLOv8, OpenCV, LabelImg, NumPy, CUDA, VS Code

### SHOPLIFTING DETECTION SYSTEM | RETAIL THEFT

#### DETECTION SYSTEM

- Built a YOLOv5-based retail theft detection system that identified item concealment with 88% precision, reduced manual monitoring by 40%, and supported real-time alerts using a CUDA-accelerated pipeline.
- Tech stack: Python, YOLOv5, PyTorch, OpenCV, NumPy, CUDA

## EDUCATION

### MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE | B.E.

ELECTRONICS AND COMMUNICATION  
ENGINEERING

Chennai, Tamil Nadu | Cum. GPA: 8.36 |  
Grad: 2025

### HOLY FAMILY CONVENT MATRIC HR. SEC SCHOOL | HSC

– 2021

Chennai, Tamil Nadu | 92%

### HOLY FAMILY CONVENT MATRIC HR. SEC SCHOOL |

SSLC – 2019

Chennai, Tamil Nadu | 92%

## SKILLS

### TECHNICAL SKILLS

Python, Java, SQL, MATLAB, IoT, Machine Learning, Computer Vision, Object Detection, OpenCV, YOLOv5, YOLOv8, PyTorch, NumPy, Pandas, Arduino, ESP32, ThingSpeak, Android, SQLite, Git, GitHub, HTML, CSS, JavaScript, CUDA, ONNX Runtime, VS Code, LabelImg, SDLC, OOP, Agile Basics.

### SOFT SKILLS

Problem-Solving | Analytical Thinking | Team Management | Communication

### CERTIFICATION

Generative AI Fundamentals  
Computer Vision With Python  
Python Programming(OOPS)

### TECHNICAL EXPERIENCE

Pre-Trainee – Revature Consultancy Services Pvt. Ltd. (Apr 2025 – Jun 2025)  
Developed a Python backend to process call center data using SQLite and CSV, generating key performance metrics.

### HACKATHONS

Team Mentor – Smart India Hackathon 2025 – Mentored students in building an Android app with real-time multilingual speech-to-text features.

## LINKS

GitHub: [RESHMITHA R](#)

LinkedIn: [RESHMITHA R](#)