



# HARINI

PYTHON DEVELOPER

Coimbatore | 9787682014 | harinimarimuthu03@gmail.com | Harini\_LinkedIn

## CAREER SUMMARY:

---

Solution-oriented Python Developer with strong experience in backend development, data automation pipelines, AI-integrated applications, and full-stack systems. Skilled in Flask, FastAPI, SQL, React.js, AI/ML models, OpenCV, YOLOv3, and MIRNet. Adept at building scalable, secure, and high-performance solutions with practical exposure to cybersecurity fundamentals, including intrusion detection, firewall configuration, and DDoS mitigation. Known for analytical problem-solving, clean coding practices, and efficient workflow optimization.

## WORK EXPERIENCE:

---

### PYTHON DEVELOPER – CYGNUS SOFTWARES, VADAVALLI

Sep, 2025 – Present

#### PROJECT: CANDOR DATA PLATFORM

Oct, 2025 – Present

- Developed Python-based automated ETL workflows to extract, transform, and load data from multiple databases into the target data warehouse with high accuracy.
- Integrated AWS Bedrock and Claude to build metadata-driven, AI-assisted “vibe coding” pipelines that minimized manual scripting and accelerated data integration.
- Built an interactive interface using React, JavaScript, and TypeScript and implemented automated schema mapping and validation to ensure consistent, error-free data migration.

#### PROJECT: SALES INQUIRY AUTOMATION SYSTEM

Sep, 2025 – Oct, 2025

- Developed a real-time inquiry processing system for hotels and travel agencies to manage large volumes of emails.
- Built automated email scanning with scheduling, escalation, and smart AI-based classification.
- Implemented AI-driven auto-responses and a full-stack React + FastAPI solution with an optimized SQLite backend.

## EDUCATION:

---

Bachelor of Computer Science and Engineering

2021 – 2025 | RVS College of Engineering and Technology

## TECHNICAL SKILLS

---

- **Programming Languages** : Python, C
- **Web Development** : HTML, CSS, JavaScript
- **Frameworks** : Flask, React.js
- **Database Systems** : MySQL, SQL, SQLite
- **Development Environment** : Visual Studio Code
- **Technical Libraries** : NumPy, Pandas, Scikit-learn, OpenCV, YOLOv3
- **Domain Expertise** : Cybersecurity, OOP, Data Structures (C), REST APIs
- **Tools & Platforms** : Kali linux, Pentmenu, Wordfence, Wordpress (Basic)

## INTERNSHIP:

---

### Cybersecurity Intern (In Web Security)

- Configured and maintained firewall rules, intrusion-detection systems, and security plugins.
- Implemented Wordfence on WordPress sites to strengthen DDoS protection and improve website integrity.

## CERTIFICATIONS:

---

- Certified Python Full Stack Developer
- NPTEL certification in "Database Management Systems"
- NPTEL certification in "Problem Solving Through Programming in C"
- Certified Internship in Cybersecurity

## PROJECTS

---

### CANDOR DATA PLATFORM

**Tech Stack:** Python, React, JavaScript, TypeScript, AWS Bedrock, Claude

- Automated the end-to-end data-warehouse lifecycle by ingesting, transforming, modeling, and deploying data from heterogeneous sources using an AI-assisted "vibe coding" environment, significantly reducing manual scripting and accelerating delivery.

### SALES INQUIRY Automation System

**Tech Stack:** Python, FastAPI, React.js, SQLite, AI/ML Models, Task Scheduling, Batch Processing

- Managed the inquiry processing workflow by scanning, classifying, and routing large volumes of emails for hotels and travel agencies. Built scheduled email processing with escalation flows and AI-driven classification to reduce manual effort. Developed a React + FastAPI solution with an optimized SQLite backend to enable real-time AI-generated responses.

### Leveraging Object Detection for Enhanced Security in Theatre Seating Arrangements under Low-Light Conditions

**Tech Stack:** Python, YOLOv3, MIRNet, OpenCV, Deep Learning

- Developed a low-light image enhancement and object-detection system for analyzing theatre seating arrangements. Enhanced dark frames using MIRNet and applied YOLOv3 for accurate, real-time detection under challenging lighting.

### Mitigating Distributed Denial of Service (DDoS) Attacks for Web Security

**Tech Stack:** Kali linux, Wordpress, Python, Pentmenu, Wordfence Plugin

- Collaborated with the security team to optimize firewall configurations, tune intrusion detection systems, and deploy protection plugins. Implemented Wordfence for enhanced DDoS protection and threat visibility across WordPress environments.

## BEHAVIORAL SKILLS:

---

- Problem Solving
- Analytical Thinking
- Communication
- Teamwork & Collaboration
- Time Management
- Adaptability
- Quick Learning Ability