

## Career Objective

Motivated Computer Science and Engineering Graduate with expertise in Python Programming, Machine Learning, Strong foundation in Web technologies and SQL. Seeking an Entry Level role to build scalable applications using Python, apply my design and Problem solving skills in data driven projects. Passionate about innovation, eager to learn and contribute to a dynamic team.

## Professional Skill

- Programming Languages : Python, SQL, HTML & CSS, JS
- Tools/Libraries : NumPy, Pandas, Scikit-learn, OpenCV
- Database & Backend : MySQL, SQLite, Flask
- Machine Learning, Web Development

## Soft Skill

- Communication
- Leadership
- Teamwork and Collaboration
- Time Management

## Education

### B.E. Computer Science and Engineering

P.A. College of Engineering and Technology, Coimbatore | CGPA: 8.3

2026

### Higher Secondary(HSC)|(SSLC)

Lourde Matha Convent Matric Hr. Sec. School, Udumalpet | (HSC-72%) (SSLC-81%)

2022

## Projects

### Swarm Intelligence - Based Crowd Anomaly Detection System

- Developed an AI-based surveillance system that detects abnormal crowd behavior
- Using RIWPSO-based segmentation, deep CNN feature extraction (MobileNetV2), and hybrid ensemble learning
- SVM, Random Forest, LSTM improving detection accuracy and reducing false positives in real-time and offline analysis.
- Integrated a user-friendly interface for real-time Detection and Visualizations

### Fake Bot detection on X(Twitter) with explainable AI

- Developed an AI-based bot detection system for X using supervised ML models (XGBoost, Random Forest, ANN) to classify fake vs. genuine profiles with high accuracy, with Frontend Dashboard
- Implemented end-to-end data preprocessing, feature engineering, and model evaluation to identify malicious or automated accounts, improving detection accuracy

## Certifications

- Machine and Deep Learning using Python (Workshop)
- Fundamentals of Data Science With Python (Infosys Springboard)
- Professional Diploma in Computer Application at (Computer Software Education-Pvt)
- SQL Basics (Hacker Rank)

## Languages

- Tamil
- English