

Swanand Yamgar

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LinkedIn



GitHub

Education

Vellore Institute of Technology

B.Tech Computer Science Engineering with Spl. In Cyber Physical System; CGPA: 8.57

Sep. 2021 – May 2025

Chennai, Tamil Nadu

ASM College of Commerce and Science

Higher Secondary Schooling; 85%

Jun. 2019 – Mar. 2021

Pune, Maharashtra

City Pride School

Secondary Schooling; 89.6%

Jun. 2009 – Mar. 2019

Pune, Maharashtra

Technical Skills

Java, MySQL, HTML, CSS, Bootstrap, JavaScript, Git, GitHub, Canva

Experience

Emerson

- IT Intern - Project on **Enterprise Resource Planning**. (ERP LN | Oracle DBMS).
- Gained hands on experience with ERP LN and departmental interactions

Sept 2023 – Nov 2023

Pune, Maharashtra

HCL Technologies

- Software Intern** - Developed a **Python based approach** to streamline **FSM extraction**. (Verilog | Python | Graph viz | HDL).
- Coordinating with team members using Git for version control, task management, and tracking changes.

July 2023 – Present

Remote

Projects

Robotic Arm | (OpenCV| Servomotor Mechanism|Python|Arduino).

- Detection of **motion fingers** detected by the computer vision code and created a resultant output.
- Conversion of CV output as input for Arduino code
- Processing of output by Arduino and providing required signals for servomotors for our fingers to move.

Intrusion Detection System | (Pandas| Python| Scikit-Learn | NSL KDD Notebook)

- Used machine learning algorithms to detect the accuracy of the IDS.
- Generated highest accuracy using **Decision Trees 82.30%**.
- Published as a chapter in a book (**Emerging Technologies for Securing the Cloud and IOT**) under IGI Global Publications.

Vehicle Detector | (Python |OpenCV)

- Vehicle detector using **OpenCV** which will **detect the cars** and **count the number of cars**.

Tours and Travels | (PHP |MySQL| CSS | HTML |Bootstrap)

- Created a frontend and backend **responsive website** for tour and travels agency.

Certifications

- Programming in JAVA Certification
- PHP Certification
- Introduction to Programming Using Python
- C++ Certification
- Programming in C# Certification

Achievements

- Password Hackathon**: CTF (Capture the Flag) event. Finished in top 30 out of 152 teams.
- Catch them Young Spring Program Infosys**: Selected in top 18 students for web skills program at Infosys.
- Tricks India**: Won the best mechanism award for robotics championship which was held at International Level.

Extra-Curricular Activities

- Dramatics Club**: Participated in musicals and choreographed plays.
- Swarajya Club**: Creative head
- E-Cell Club**: Member of sponsorship team.
- Lead the football sports team of VIT Chennai.