Yameen Shaikh

8433531720 yameenshaikh54@gmail.com linkedin.com/in/yameenshaikh github.com/yameensk

Education

Master of technology (Robotics and Automation) Expected May 2025
K J Somaiya College Of Engineering (Pursuing) *Mumbai, Maharahtra*

Bachelor of Technology(Electronics) 2023
K J Somaiya College Of Engineering(CGPA: 8.07 / 10.0) *Mumbai, Maharahtra*

Diploma(Industrial Electronics) 2020
K J Somaiya Polytechnic(91%) *Mumbai, Maharahtra*

SSC 2017
St.Xavier's High School (91%) *Mumbai, Maharahtra*

Experience

Two Waits technologies March 2022
Python Scholar Intern

* Learnt the Real-world applications of Python Language from various tasks.

Splash Marine International Nov 2020
Trainee Production Intern

* Involved in manufacturing, installation, testing, and commissioning of industrial metal detectors..
* Overseeing preventive maintenance, onboard repairs, and addressing failures during operation.
* Maintaining a wide range of Marine Systems

Bioriidl May 2022
Program Executive

* Plan and coordinate resourcing end-to-end, i.e. from strategy and ideation through execution and beyond.
* Proactively manage expectations, define clear program roadmaps, provide frequent program updates, identify and communicate risks to leads and cross-functional teams, and ensure commitments are delivered.
* Coordinate with participants of the program.
* Create reports of the program.

Projects

Face following and movement following drone

* Developed a drone capable of following faces and movements in real-time, employing a continuous loop for processing triggered by a PIR sensor. Utilized YOLOv5 model for face detection, optimizing resource usage through sensor control. Technologies used: PIR sensor, YOLOv5 model, real-time processing.

Microcontroller-based Face Mask Detection Security System using Python

* Created a Microcontroller-based Face Mask Detection Security System using Python, OpenCV, and TensorFlow, detecting mask-wearing using a custom-trained model. Utilized Pyfirmata for Python-Arduino communication and Arduino-controlled servos for door lock integration. Integrated face mask detection algorithms with Arduino-controlled servos to enforce mask-wearing policies effectively. Technologies used: Python, OpenCV, TensorFlow, Pyfirmata, Arduino.

Hybrid Solar Converter with LDR Automation and Automated Error Detection

* Developed a hybrid solar converter with AC and solar power capabilities, featuring sun tracking via LDRs for solar panel adjustment. Integrated an error detection system using ESP8266 Wi-Fi Module and IFTTT for voltage error notifications. Technologies used: ESP8266 Wi-Fi Module, IFTTT, ATmega328P Microcontroller (Arduino UNO R3 Board).

Technical Skills

Languages: Java,Python,C,C++,Javascript
Web Development: Html,CSS
Cybersecurity: Linux, Bash, Information security, IDS, Network security, NIST Cybersecurity Framework, SIEM tools, Cryptography
Databases: SQL
Concepts: Artificial Intelligence, Machine Learning, Neural Networks, API
Developer Tools: Git,Github

Positions Of responsibility

Volunteered for Security council for all college cultural fests 2022
SYMPHONY-One of the top festivals of engineering colleges

Event head for Sports event 2022
SKREAM-National level sports festival

Co-curricular & Achievements

- Secured first prize in State level technical quiz competition 2022
- Secured Bronze medal in State Level Mahapour Karate Chashak 2012
- Participated in Open National Level Karate Championship 2012
- Completed various Workshops and Seminars in Russian Knife Fighting School “TOLPAR” 2012
- Participated in National level project Competition “PRAKLAPA” 2023