

MUNIRA TASHRIFWALA

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EDUCATION

42 Abu Dhabi University

Present

Software Programming Course (Artificial Intelligence)

Vidyalankar School of Information Technology | Wadala, Mumbai University

Master of Science in Information Technology

CGPA - **9.64/10**

S. M. Shetty College | Powai, Mumbai

Bachelor of Science in Information Technology

CGPA - **9.37/10**

SKILLS

Languages and Database: C, C++, Python, JavaScript, HTML5, CSS3, SQL, OpenCV.

IDE: Arduino, Turbo C++, Visual Studio, Visual Code, Google Collab.

Frameworks: jQuery, Node.js, React JS, Bootstrap, Tensorflow, Scikit-learn.

Coursework: Data Structures, Object-oriented Programming, Operating Systems, Python Programming, Database Management Systems, Linux, Digital Electronics, Computer Vision, Internet of Things, Artificial Intelligence.

WORK EXPERIENCE

Tata Consultancy Services, Software Developer | Thane, Mumbai

Aug '20 – Oct '21

- Worked as a Full Stack Developer on Angular JS technology
- Carried out detailed analysis to understand requirements, scheduled the code and processed them.
- Monitored the codes and made changes as per the technical specifications.
- Performed unit testing as the test plans and created test cases.
- Reviewed key engagements to refine and update solutions based on feedback from existing engagements.

Indian Institute of Technology, IoT Software Engineer | IIT Bombay, Mumbai

Jan '21 – Mar '21

- Worked on a project based on a Machine Health Monitoring System.
- Implemented Raspberry Pi 4 with Accelerometer sensor and ESP32 for extracting data from the machine.
- Used Machine Learning Algorithm to run Datasets in order to test the health of Machines based on vibrations.
- Created a web application to accept input and display machine details to the user.

PROJECTS

Fire and Smoke Detection System (Computer Vision, YOLO8, Google Collab, Roboflow)

- Trained a fire model using Computer Vision to alert when it detects smoke or fire with YOLO8 models.
- Linked the response to WhatsApp using API to send the alert directly to the users in case of emergencies.
- This project can be used for in-house fire detection and wildfire detection to reduce any mishaps.

Farm Automation and Monitoring System (ESP8266, DHT11, LDR, Moisture Sensor, HTTP, HTML, CSS, AJAX, JSON)

- Designed & Developed a solution to automate the process of farming using C and Python languages in Arduino Uno.
- Displayed the farm's *temperature, humidity, sunlight and moisture sensor* readings using a Wi-Fi module.
- Developed a Web GUI to display the data received from the sensors on the website.
- Arduino Uno is based on Real Time and it sends and receives data from the farm to the users.

Sign Language Translator (OpenCV, Tensorflow, Python)

- Worked on a project that detects the sign language in real-time and displays the translation of the sign language in text
- Used Tensorflow library in Google Collab for training and detection of the image that is being displayed
- Trained the model using OpenCV and dataset and connected with webcam to detect the live gestures.