Misbah Anwar

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AI & ML Enthusiast

PROFILE

I am a passionate Computer Science (3rd Year) student from VIT, Chennai with a strong focus on AI and ML. I have good problem-solving abilities and am a team player. Seeking to contribute to AI and ML solutions, leveraging theoretical knowledge and practical experience to drive innovation.

SKILLS AND EXPERTISE

- **Programming Languages:**
  Python, Java, R, C, C++, SQL
- **Front-End Development:**
  HTML, CSS, JavaScript
- **Concepts:**
  Data Analysis, Data Analytics, Predictive Analysis, Machine Learning (Python, Pandas, NumPy, Scikit-learn, TensorFlow (fundamentals)), Database Management Systems, Data Structures and Algorithms, Data and Analysis of Algorithms, Design (Adobe Illustrator, Canva), Problem Solving/ Critical Thinking, Strong Communication

COURSE/CERTIFICATIONS

- Introduction to Data Science in Python (University of Michigan, Coursera) - Aug 2023
- AI For Everyone (DeepLearning.AI, Coursera) - June 2023
- Elements of AI: Introduction to AI (University of Helsinki) - Feb 2023
- CS301: Computer Architecture (Saylor Academy) - April 2023
- CSS Certification, HackerRank - Mar 2023
- SQL (Basic) Certification, HackerRank - Mar 2023
- Python (Basic) Certification, HackerRank - Mar 2023
- Microsoft AI Learn Skills Challenge, Microsoft - Aug 2023
- Python Certification, IIT Bombay - Feb 2022
- C Certification, IIT Bombay - Feb 2022
- CPP Certification, IIT Bombay - Feb 2022
- Workshop on Artificial Intelligence: Disrupting the Disruptors (CheckedIT, Microsoft Innovations Club) - Oct 2021
- Workshop on Microsoft Career as Program Manager (Microsoft Learn Student Ambassador Program) - 2021
- Gold badge for SQL, HackerRank

VOLUNTEERING/COMMUNITY SERVICE/ACHIEVEMENTS

- English Literacy Workshop (Rotary Club of Madras Temple City and VIT English Literary Association (2021)
- Cyscom VIT club member (Social Media Marketing) (2022-present)
- Workshop (Charity Aids Foundation India, SSL, VIT) (2021)
- March Past Group 7 – Trophy from Governor of Karnataka
- Childrens' Movement for Civic Awareness – Civic club member (2016-2019)
- City finalist in Times of India NIE Think and Learn Challenge (2015-2016)

EDUCATION

- BTech CSE (Specialization in AI and ML) – Vellore Institute of Technology (2021-2025) – CGPA 8.23 (Till 5th Semester)
- Higher Secondary School – Sri Chaitanya PU College (2019-2021) – 89.8%
- School (ICSE) – Mitra Academy (2006-2019) – 92.2%

PERSONAL DETAILS

- **Date of Birth:** 18th Feb 2003
- **Gender:** Female
- **Nationality:** Indian
- **Languages:** English, Malayalam, Kannada, Hindi, Tamil (Basic)

PROJECTS

Object Localization using TensorFlow

Details

- In this project, I used TensorFlow's Keras API to create a CNN which will be trained to classify as well as localize emojis in images. The network will have one input and two outputs. In Object Localization, we are working with the assumption that there is just one object in any given image, and our CNN model will classify and localize that object.

Stroke Prediction in R

Details

- This project focuses on developing a machine learning model which can be used to predict the likelihood of a patient getting a stroke based on their medical history and demographic information, using decision tree, logistic regression and random forest

Breast Cancer Prediction Using SVM, Open Weaver

Details

- An open-source project that aims to predict breast cancer using machine learning techniques, specifically focusing on Support Vector Machine (SVM). SVM can be trained on a dataset of breast cancer patients' characteristics and their corresponding diagnosis (benign or malignant) to learn a decision boundary that can classify future cases.

IOT Projects done - TinkerCAD , Arduino and Arduino IDE

Smart Parking System

- This project focuses on assisting the drivers of the vehicles to park their cars with minimum wastage of time with accurate facts of the availability of the parking slots. It combines technology and human innovation in an effort to use as few resources as possible—such as fuel, time and space—to achieve faster, easier and denser parking of vehicles for the majority of time they remain idle.

Air Quality Monitoring

- This project provides a combination of process of sensing several gas levels in the air and also the ambient temperature and humidity, thus sensing the quality of the air. continuously shows the real time output values of the gas sensors, temperature and humidity sensor.

Automatic smart street light system

- This project is designed to automatically switch on the street light alongside the roads (or path) or the light lamp just outside our house on the onset of dark weather or at dusk & switch them off automatically after sunrise or during the light hours.

Object Detection System using Arduino and Arduino IDE

- This project is a system that can detect and identify objects in its surroundings. It involves using ultrasonic sensors ultrasonic sensors to measure the distance between the sensor and an object. By analyzing the change in distance over time, the system can determine if an object is present and estimate its position.