



Irshad Yasseen

AI Developer & Data Scientist

A passionate AI developer with a potent capacity for rapid self-learning currently into deep learning, NLP, and image processing projects. I have an amazing background in a variety of programming languages, great analytical and logical reasoning abilities, and excellent communication capabilities.

Contact

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[LinkedIn](#)

[Github](#)

Education

2021 - 2025

Bachelor of Technology in Artificial Intelligence
And Data Science

University/College 8.8 CGPA

B.S Abdur Rahman Crescent Institute Of
Science And Technology

2020 - 2021

12 th grade 83%

Vellammal Vidhyalaya Madurai

2018 - 2019

10 th grade 81%

Carmel Public School Chennai

Skills

- C, Java, Python, R, SQL, HTML
- Data cleaning, Data Preprocessing, EDA
- Data Science & Machine Learning libraries:
Pandas, Numpy, Scikit-learn and Scipy
- Plotting libraries: **Matplotlib & Seaborn**
- Unstructured data handling libraries:
Opencv, Nltk, Spacy
- IDE/Platform:
Jupyter Notebook, Google Colab, VS Code
- Tableau and Dashboards

Language

- Tamil
- English

PROJECTS

January 2024 - March 2024

Deep Learning (Python)

1. **Pulmonary Respiratory Diagnostics** using **Audio Analysis**. A Lung disease detection with **stethoscopic samples** performed using **custom-built neural networks**.
 - **Extracted audio features** using MFCC.
 - Developed a custom neural network (**integrated LSTM and CNN**).
 - **Evaluated performance** against ML models and custom-built ANNs.
 - Created **user interface** for enhanced user experience.

November 2023 - December 2023

Machine Learning (Python)

1. **Email spam and Twitter sentiment classification** Bag of words model with Grid search cross-validation.
2. **Price recommendation for Amazon sellers** using supervised learning. (Compared various preprocessing techniques and models to obtain the best possible combination for the Amazon dataset).
3. Focused on **Canadian employee income prediction** accuracy. (Evaluated model's performance on scaled and unscaled data for future compensation forecasting.)
4. Market basket analysis for **product recommendation**. (Deployed an Apriori algorithm to find support count and recommend products using previous purchase data)

October 2023 - November 2023

Data Analytics (Python)

1. Performed **State-wise Covid Unemployment analysis** from 2019-2020 & unveil insights. (Merged 2019 & 2020 datasets, preprocessed and reveal the employment rate shift through visualization.)
2. Integrated employee-related data sources to gain insight concerning how the **company's hiring rate and average employee pay** have fluctuated over time.
3. EDA on **Retail data** from US

September 2023 - October 2023

Data Science (Python)

1. To compare the accuracy of different linear, non-linear, and probabilistic regression models for price prediction, data preprocessing and EDA were done on a housing dataset with 80 house features for a kaggle competition.

April 2022 - March 2023

Ardurino at Intel's RAI(Robotics AI And IOT) Programme

1. **Ultrasonic Sensor-driven electric car** using Arduino Uno
2. **Traffic management** on a three-junction road by using **Arduino-controlled traffic lights**.
3. **Water pump controller with L298N (driver)**

Internships

Data Science(Python)

- 1.Code Clause
- 2.Sparks Foundation
- 3.Oasis Infobyte
- 4.TechnoHacks EduTech Official

Workshops & Conference

- 1.Android App Development | 14 - 16 March 2024
2. Amazon Web Services | 7th March 2024
- 3.Machine learning with Python | 19th August 2023
- 4.GenAI Meetup NLP & LLM | Tiger Analytics Chennai | September 2023

Interests

- 1.Swarm Technology
- 2.Image processing and NLP
- 3.Deep reinforced Learning
- 4.Generative Ai and evolution algorithm
- 5.Virtual AI Agents and simulations
- 6.AR and VR
- 7.Science & Technology

Soft Skills

- 1.Teamwork
- 2.Time management
- 3.Critical thinking
- 4.Active listening
- 5.Resilience
- 6.Emotional intelligence

Current & Future Projects

- 1.Optimizing a real-time drowsiness alert generation system for accident prevention using LSTM
- 2.Cloud Deployment and API
- 3.Fine tuning Large Language Model
- 4.Deep Natural Language Processing

COURSES

- **December 2023**
CERTIFIED: **Data Analysis** with python | IBM | Cognitive Class [Verification Link](#)
- **November 2023**
CERTIFIED: Creating **Machine Learning models** with Microsoft Azure | Microsoft | Coursera [Verification Link](#)
- **February 2023**
CERTIFIED: **TensorFlow and Intel Optimization** for TensorFlow webinar | Intel
- **April 2022 – March 2023**
CERTIFIED: **Intel's Hands-on Offline Training program on RAI** (Robotics, AI, and IoT) | Incubation Cell Member | Crescent Innovation and Incubation Council
- **November 2022**
CERTIFIED: **Python 3.4.3 Training and Test** | Spoken Tutorial (IIT Bombay)
- **April 2022 – June 2022**
CERTIFIED: **Machine Learning** ,Upskills
- **December 2022 – July 2023**
Computer vision and image processing with **OpenCV** | Udemy
- **2017 – 2020**
Basics of **HTML, C, MySQL, Java, Python** | School

HACKATHONS

- **Bank Market Analysis**
ROLE: TEAM LEAD
VENUE: VIT CHENNAI (INTER - COLLEGE)
DOMAIN: Data Science
- **Lidar replacement in coal mining industry**
ROLE: TEAM MEMBER
VENUE: CRESCENT INCUBATION COUNCIL (INDIA)
DOMAIN: COMPUTER VISION
- **Vehicle alert generation**
ROLE: TEAM MEMBER
VENUE: ALL INDIA
DOMAIN: DATA ANALYSIS