# 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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**Location**  Vandalur, Chennai, 600048

*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

- Python, Java, C,  R, SQL, HTML, CSS.
- 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

### August 2024- Present

#### Cloud Computing (AWS)

1. Utilized Amazon Web Services (AWS) to develop and deploy a portfolio website, an anime site with serverless architecture, and a static attendance page.
   - Used AWS Amplify and deployed websites to showcase portfolio, serverless anime site and

### 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.

# Internships

## Data Science(Python)

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

# Hobbies

1. Cooking
2. Gardening
3. Badminton
4. Used to be an gym goer (Stopped due to time constraints)
5. Doing Projects
6. Research & Development ( Self ,General & Teechinical)

# 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

**Augest 2024**
CERTIFICATION PENDING : AWS Cloud practitioner

**April 2024**
CERTIFIED: Fundementals Of Informational Security | Infosis Springboard

**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

# 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

# Recent Achievements

**Recognized Practice Venture Certification** by the global jury for being the CEO of an online reselling platform called reprob

**Secured multiple certifications,** demonstrating a **relentless commitment** to mastering new skills .

**Recieved a badge** for **completing 50 designs** in **Canva** (Social Media Content Creation App).