Maaz Uddin

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SUMMARY

Computer Science graduate passionate about building practical AI solutions. Strong hands-on experience in machine learning (NLP, Computer Vision) with projects demonstrating real-world impact. Skilled in Python, PyTorch, and deploying models via Docker. Eager to apply my technical skills and research knowledge to solve business problems while growing as a professional

EDUCATION

Bachelor of Technology in Computer Science and Engineering 2021 – 2025
KG Reddy College of Engineering and Technology, Hyderabad, India CGPA: 8.33

Intermediate (12th Grade) 2019 – 2021
Ushodaya Junior College, Nizamabad, India Percent: 90%

PERSONAL PROJECTS

Tata Tanishq jewelry Recommendation System Web App

- Engineeered a DL image recommendation system using EfficientNet-B0 and FAISS, trained on 124k+ images.
- Built a Gradio-based UI for image uploads and URLs with real-time product metadata suggestions (<4s latency).
- Scaled pipeline to handle 1M+ embeddings using optimized FAISS indexing for fast visual similarity retrieval.

github.com/Maazuddin1/Tanishq_jewelry_recomm_system

- **Tools**: PyTorch, FAISS, Gradio, Pandas, NumPy, Hugging Face Spaces, REST API.

Lingua stream - a multilingual Video/Audio Dubbing Web App

- Leveraged Multilingual translation pipeline that transcribes, translates, and dubs videos.
- Designed an interactive Gradio UI enabling users to upload videos, select languages, and receive real-time updates.
- Merged logging, error handling, and fallback mechanisms and CI/CD for smooth deployment and scalability.

github.com/Maazuddin1/LinguaStream

- **Tools**: Python, FFmpeg, Gradio, AssemblyAI, gTTS, deep-translator, PySRT, Hugging Face Spaces.

AI-Powered Predictive and Suggestive Model for Diabetes Web App

- Built an ML model achieving 88% prediction accuracy by employing feature engineering and model tuning.
- Integration of Gemini API for personalized health assistance based on patient conditions.
- To assist healthcare professionals in early diagnosis including diet planning, exercise, and checkup.

github.com/Maazuddin1/Diabetes_prediction

- **Tools**: Pandas, Matplotlib, Scikit-learn, Flask, API Intergration

Content-Based Movie Recommendation System Web App

- Engineered a personalized Movie recommendation system leveraging NLP and machine learning algorithms.
- Analyzed 11+ movie attributes, optimizing filtering mechanisms for increased accuracy.
- Deployed model using Docker on Hugging Face.

github.com/Maazuddin1/Content-based-Movie_Recommendation_system

- **Tools**: Scikit-learn,Fuzzywords, Pandas, NumPy, NLTK, Git Actions.

Bangalore Housing Market Forecasting Web App

- Trained 13,000+ entries to predict housing prices with 88% accuracy using linear regression.
- Deployed the model using CI/CD, reducing deployment time by 30% and enhancing usability by 40%.

github.com/Maazuddin1/Banglore_RealEstate_forecast

- **Tools**: Scikit-learn, Seaborn, Pandas, GitHub Actions.

SKILLS

Programming Languages:	Python, C, SQL
Libraries/Frameworks:	Scikit-learn, Seaborn, Matplotlib, Flask, PyTorch, Pandas, NumPy
Tools:	PyCharm, VS Code, GitHub, Jupyter Notebook, Google Colab
Databases:	MS SQL Server, PostgreSQL
Soft Skills:	Problem-solving, Leadership, Team Work, Project Management

PROFESSIONAL EXPERIENCE

Oracle Apex Trainee, ProwessIQ Information Systems, Chennai Feb 2025 – Oct 2025

- Developed a Image Recommendation system for tanishq jewelry with 95% accuracy on a 125K+ images.
- Created image embeddings for similarity checks, optimizing retrieval speed by 35% over baseline methods.
- Optimized enterprise AI solutions, reducing processing latency from 5s to 2s per image fetching.

Data Analyst Intern, Ozibook Tech Solutions, Bangalore Sep 2024 – Oct 2024

- WebScraped, analyzed data, driving actionable insights that increased decision accuracy by 25%.
- Streamlining lead generation, execution and boosting team productivity by 20%.
- Collaborated with clients to define project scope, delivering solutions ahead of schedule by 15%.

Python Intern, Forage (Remote) Apr 2023 – May 2023

- Enhanced interactive visualizations of COVID-19 data, identifying key trends and actionable insights.
- Automated data extraction from government sources, reducing manual effort.

CERTIFICATIONS

- **The Complete SQL Bootcamp: Go from Zero to Hero Certification**, Udemy Nov 2025
- **Data Science and Machine Learning** Bootcamp Certification Feb 2023

ACHIEVEMENTS

- Participated in **Sparkcamp hackathon**, Tech Mahindra, HYD Apr 2025
- Participated in **BITS Pilani Hyderabad** Gen AI Workshop and showcased project in associated hackathon . Mar 2025
- **Research Presenter** Attended ICMED 2025 conference submitted paper on Japanese-to-English Video Dubbing Developed with BERT and Open Voice Mar 2025
- Presented AI automation project at **IEEE National-Level Project Expo** Oct 2023