Maaz Uddin

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LinkedIn: https://www.linkedin.com/in/maaz-uddin-18a8b222a/ Portfolio: https://maazuddin1.github.io/portfolio_maaz/

Leetcode: https://leetcode.com/u/maazuddin173/ GitHub: https://github.com/Maazuddin1

Summary

Passionate computer science engineer with experience in programming production level web applications combined with machine learning, data analysis, and software engineering. Strong foundation in Data preprocessing to Model deployment. Experienced in developing predictive models, building recommendation systems, and applying advanced analytics to solve real-world problems.

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, Microsoft tools
Databases:	Postgre SQL
Soft Skills:	Problem-solving, Leadership, Time Management, Project Management

Education

KG Reddy College of Engineering and Technology, Hyderabad, India 2021 – 2025
- Bachelor of Technology in Computer Science (GPA: 3.28/4)
- **Key Courses:** Computer Networks, Data Structures, DBMS

Ushodaya Junior College, Nizamabad, India 2019 – 2021
- PCM (Physics, Chemistry, Mathematics) (GPA: 3.62/4)

Projects

Tata Tanishq Jewelery Images Recommendation System `(click to run project)`
- Built a e-commerce based deep learning image recommendation engine using EfficientNet-B0 and FAISS, trained on 124,000+ jewelry images, to deliver real-time visual similarity suggestions with sub-second latency (<100ms) .
- Implemented CI/CD pipelines (GitHub Actions) for automated testing and model updates, reducing deployment downtime by 40% and ensuring seamless scalability for future growth.
- Integrated a user-friendly interface supporting image uploads, URLs, reference inputs, with dynamic displays of product metadata (price, category, product id).
- Optimized the pipeline for scalability, handling 1M+ product entries efficiently using advanced FAISS indexing techniques.
`GitHub link:https://github.com/Maazuddin1/Tanishq_jewelry_recomm_system`
- **Tools**:PyTorch, FAISS, Gradio, OpenCV, Pandas, NumPy, CI/CD (GitHub Actions), Hugging Face Spaces.

AI Powered Predictive and Suggestive Model for Diabetes `(click to run project)`
- Built and optimized ML model achieving 88% prediction accuracy by employing feature engineering and model tuning.
- Integrated GPT for personalized health assistance, including diet planning, exercise routines, and checkup reminders based on patient conditions.
- Visualized critical health trends to assist healthcare professionals in early diagnosis.
`GitHub link:https://github.com/Maazuddin1/Diabetes_Predictive modeling`
- **Tools**:Pandas, Matplotlib, Scikit-learn,Flask,CI/CD pipelines

Content-Based Movie Recommendation System `(click to run project)`
-Engineered a personalized recommendation system leveraging NLP and machine learning algorithms, enhancing user engagement by 35%.
- Analyzed 11+ movie attributes, optimizing filtering mechanisms for increased accuracy.
- deployed model using Dockers on HuggingFace
`GitHub link:https://github.com/Maazuddin1/Content-based-Movie_Recommedation_system`
- **Tools**: NLTK, Scikit-learn, Pandas, NumPy, GitActions.

Bangalore Housing Market Forecasting `(click to run project)`
-Processed and examined 13,000+ entries to predict housing prices with 88% accuracy through advanced regression techniques.

-Deployed the model using integrated CI/CD pipelines and reduced deployment time by 30% and enhancing usability by 40%.
GitHub link:https://github.com/Maazuddin1/Banglore_house_price_prediction
-**Tools**: Scikit-learn, Seaborn, Pandas, Git Acions.

Experience

Trainee Intern, ProwessIQ,Chennai. Feb 2025 – Present
- Developing a Recommendation system for Tata Tanishq Jewellery images dataset.
- Working on a 200k+ images dataset and create embeddings for similarity cheak to attain maximum accuracy above 90%.

Data Analyst Intern, Ozibook Tech Solutions, Banglore. Sep 2024 – Oct 2024
- Collected, cleaned, and analyzed large datasets, driving actionable insights for client projects.
- Spearheaded a team of 10+, streamlining project execution and boosting team productivity by 20%.
- Collaborated with clients to define project scope, delivering solutions ahead of schedule by 15%.

Python Intern, FORAGE (Virtual) Apr 2023 – May 2023
- Developed interactive visualizations of COVID-19 data, identifying key trends and presenting insights to stakeholders.
- Automated data extraction from government sources, reducing manual effort by 30%.
- https://drive.google.com/file/d/1wj59WqfuR2gNC22bzyN73ZwPGadFeohB/edit

Certifications & Achievements

International Conference on Multidisciplinary Research and Sustainable Development (ICMED)2025 , India
Mar 2025
-https://drive.google.com/file/d/1l9Y7vyIuwKVx67Tx3Z4dL4Dhsvr-DEcR/
-https://drive.google.com/file/d/1l4uRMp8lcpwqH5hpZVKvXIv8oKX3wmvm/

IEEE Project Expo 2023 , Chennai, India Oct 2023
-https://drive.google.com/file/d/1p4mvPKZxyhilnqqFuJoCdsL4Whq0vQBR/

Data Science and Machine Learning Certification Feb 2023
-https://drive.google.com/file/d/1BwkksJ$_q$TzGK3aaZQgBRDOUKTu$_u$Awgg/