Mohammad Hassaan

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CAREER OBJECTIVE

A passionate and quick-learning computer engineering graduate, eager to apply foundational knowledge in programming, software development, and problem-solving to real-world projects. Seeking an entry-level position in a dynamic organization where I can grow, contribute, and continually enhance my technical and analytical skills to support innovative solutions and drive organizational success.

EDUCATION

D Y Patil University   Pune, Ambi
B Tech in Computer Engineering   Aug – 2020 – May – 2024

SKILL SUMMARY

Programming Languages: Python, SQL
Libraries: Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn
Data Analysis & Visualization Tools: EDA, Power BI, Excel (Pivot Tables, VLOOKUP, Charts)
Databases: MySQL
Machine Learning: Scikit-learn, Stats
Deep Learning: TensorFlow, Keras, PyTorch, OpenCV, Pillow
NLP: NLTK, SpaCy, WordCloud , Word2Vec
AI : RAG, Langchain, Prompt Engineering
Development Environments: Jupyter Notebook, PyCharm, Visual Studio Code
API Development: Flask
Web Development: Streamlit
Soft Skills: Data storytelling, Report building, Communication, Leadership

PROJECTS

Integrated Recommendation System |[GitHub Repo](#)   *July 2022 – August 2023*
- Developed an integrated Recommender System for movies, music, and books using cosine similarity for content-based recommendations.
- Implemented the system using scikit-learn, pickle, and Streamlit to create an interactive and efficient user interface.
- Combined multiple content-based recommendation engines into a single platform for seamless and personalized suggestions.

LangChain Document Query App |[GitHub Repo](#)   *May 2025– Jun 2025*
- Developed a document-aware chatbot using LangChain, Gemini Flash LLM, and ChromaDB, capable of answering questions from user-uploaded PDFs, text files, and CSVs via a Retrieval-Augmented Generation (RAG) pipeline.
- Implemented text chunking, Google embedding models, and semantic search with top-k retrieval to ensure context-aware, accurate answers across various document types.
- Built a responsive Streamlit UI that allows users to upload any document and interact with it via natural language, leveraging prompt engineering and real-time LLM responses

CERTIFICATIONS

100 Days of Code: The Complete Python Pro Bootcamp | [Certificate](#)
- Completed an intensive 100-day Python Bootcamp, gaining proficiency in Python, OOP, web development (Flask), and data science (Pandas, NumPy).
- Developed multiple hands-on projects, including web apps, games, and a machine learning model, emphasizing best coding practices and version control.

Complete Data Analyst Bootcamp From Basics To Advanced | [Certificate](#)
- Completed an in-depth Data Analyst Bootcamp, mastering data analysis tools like Excel, SQL, Python, and visualization techniques using Tableau and Matplotlib.
- Gained hands-on experience with data manipulation, statistical analysis, and project-based learning, including building dashboards and making data-driven decisions.

Project EXPO 2022 | [Certificate](#)
- Won Project Expo 2022 for 'Movie Recommender System', showcasing expertise in machine learning algorithms and building interactive web apps.