

Mohd Hassan

[LinkedIn](#)
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EDUCATION

Chattrapati Shahuji Maharaj University
Bachelors of Computer Applications
CGPA: 7.74

Kanpur, India
(2023-2026)

SUMMARY

- Skilled in Python, SQL, and core ML/DL libraries with hands-on experience in end-to-end project development and deployment.
- Built real-world apps including a disease detector, movie recommender, home price predictor, and lab report explainer using Streamlit and LLMs.
- Strong in data preprocessing, model training, API integration, and deploying scalable AI solutions on the cloud.

SKILLS SUMMARY

LANGUAGES: Python, SQL, C++

FRAMEWORKS: Scikit-Learn, Spacy, NLTK, Langchain, Tensorflow, Numpy, Pandas, Matplotlib

TOOLS: Excel, VS Code, PyCharm, Jupyter Notebook, Git & GitHub, RegEx, RAG

PROJECTS

HYBRID MOVIE RECOMMENDER | [LIVE DEMO](#)

Built a movie recommendation app combining content-based filtering, genre similarity, popularity scores, and IMDb-style weighted ratings. Enabled users to personalize results with real-time sliders and TF-IDF + cosine similarity logic.

Stack: Python, Pandas, Scikit-learn, Streamlit, TF-IDF

LAB REPORT EXPLAINER | [LIVE DEMO](#)

Developed an LLM-powered app to interpret medical lab reports from PDFs and images, offering layman and professional explanations in English, Hindi & Urdu. Used EasyOCR, PDFPlumber, and OpenRouter (Mistral 7B) via LangChain.

Stack: Python, Streamlit, EasyOCR, LangChain, OpenRouter

TOMATO LEAF DISEASE DETECTOR | [LIVE DEMO](#)

Built a CNN-based model (with transfer learning) to classify tomato leaf diseases into 6 categories with 95%+ accuracy. Deployed a responsive Streamlit app demonstrating an end-to-end ML pipeline from image preprocessing to real-time disease prediction.

BENGALORE HOME PRICE PREDICTOR | [LIVE DEMO](#)

Developed a Linear Regression model to predict home prices using real housing data.

Implemented full-stack deployment on Render with an interactive UI. Showcased skills in data cleaning, model training, API integration, and scalable hosting.

CERTIFICATIONS

- **PYTHON (Basic)** [CERTIFICATE](#)
HackerRank
- **SQL (Basic)** [CERTIFICATE](#)
HackerRank
- **PROBLEM SOLVING** [CERTIFICATE](#)
HackerRank
- **INTRO TO MACHINE LEARNING** [CERTIFICATE](#)
Kaggle
- **INTRO TO DEEP LEARNING** [CERTIFICATE](#)
Kaggle

OPEN SOURCE CONTRIBUTION

Beginner-Data-Science-Projects (GitHub)

- Contributed README.md for Heart Failure Prediction project
- [MERGED PR](#)

HOBBIES

- Mixed Martial Arts (MMA)
- Football
- Cooking
- Travelling