

# Mohd Hassan

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## EDUCATION

**Chattrapati Shahuji Maharaj University**  
Bachelors of Computer Applications  
CGPA: 7.74

**Kanpur, India**  
(2023-2026)

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## SUMMARY

- Skilled in Python, SQL, C++, and core data science libraries like Scikit-Learn and TensorFlow.
- Hands-on experience building and deploying end-to-end machine learning and deep learning projects.
- Proficient in data preprocessing, model training, evaluation, and deployment.
- Strong problem-solving abilities demonstrated through HackerRank and Kaggle practice.

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## SKILLS SUMMARY

**LANGUAGES:** Python, SQL, C++

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

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

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## PROJECTS

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

- Engineered a deep learning model using CNN and transfer learning to classify tomato leaf diseases into 6 categories with over 95% test accuracy.
- Trained on the PlantVillage dataset with extensive image augmentation for robustness across varied lighting and backgrounds.
- Deployed app to the web, showcasing end-to-end ML pipeline – from data handling and model training to UI integration.
- Demonstrated practical AI application in agriculture, improving disease diagnosis efficiency and supporting early crop treatment.

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

- Built a responsive ML web app to estimate Bangalore property prices based on user inputs (location, BHK, sqft, bath).
- Trained a Linear Regression model using real housing data with Scikit-learn, ensuring accurate price predictions.
- Deployed on Render using Gunicorn for scalable and production-ready hosting.
- Showcased complete ML pipeline: data processing, model deployment, API integration, and cloud deployment.

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## 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

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## OPEN SOURCE CONTRIBUTION

### Beginner-Data-Science-Projects (GitHub)

- Contributed README.md for Heart Failure Prediction project
- Merged PR:  
[github.com/tkarim45/Beginner-Data-Science-Projects/pull/2](https://github.com/tkarim45/Beginner-Data-Science-Projects/pull/2)