

# PIYUSH JHA

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## EDUCATION

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### Chaudhary Charan Singh University

Bachelor of Computer Application

Noida, India

Sep. 2023 – Present

## PROJECTS

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### Project Tracker | Flask, MySQL, SQL Alchemy, Bootstrap 5

- \* Built a Flask-based web platform to manage academic projects, incorporating structured task breakdown, deadline tracking, and progress analytics
- \* Designed database schemas and used SQL Alchemy ORM for efficient data storage and retrieval, simulating real-world data pipeline management
- \* Engineered a modular, scalable architecture with user authentication and deployment using Gunicorn, showcasing full-cycle development skills.

### Kidney Disease Classification | Flask, TensorFlow, Keras, Machine Learning

- \* A CNN-based deep learning model using TensorFlow and Keras to classify kidney diseases from medical images.
- \* Structured the project with a configuration-driven pipeline, incorporating YAML, OOP in Python.
- \* Build the backend using a Flask-based web app with real-time inference capabilities.

### Movie Recommendation System | Streamlit, NLP, Bag of Word, Scikit-learn

- \* Developed a content-based movie recommender using NLP and Bag of Words.
- \* Used Scikit-learn for vectorization and cosine similarity.
- \* Deployed an interactive web app with Streamlit and customized the UI with HTML/CSS

## TECHNICAL SKILLS

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**Programming Languages:** Python

**Databases :** MySQL

**Libraries:** Scikit-Learn, Tensor-flow, Matplotlib, Seaborn, Plotly, NumPy, Pandas, SciPy

**Frameworks:** Flask, FastAPI

**Tools/Platforms :** Git, VSCode, PyCharm, Colab, Kaggle, Notebook's

**Mathematics for ML & DL :** Algebra, Probability, Statistics, Calculus, Vectors, Matrices

**Operating Systems :** Linux, Windows

**Soft Skills :** Creative Thinking, Good Communication, Teamwork, Time Management, Adaptability, Problem Solving

## CERTIFICATES

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**SQL FOR DATA SCIENCE** | UNIVERSITY OF CALIFORNIA | 2024

**SKILL CERTIFICATIONS** | HACKERRANK | 2024

**PYTHON** | UDEMY | 2023

**HACKERTHON** | UNIVERSITY OF CALIFORNIA | 2024