Musa Qureshi
Machine Learning - Engineer

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PROFESSIONAL SUMMARY

Motivated Computer Science undergraduate with hands-on experience in Python, machine learning, and chatbot development. Proficient in data analysis using Pandas, NumPy, and Scikit-learn, with a growing interest in AI integration through LangChain and generative models. Strong foundation in web development and a passion for building real-world ML applications. Seeking an internship or entry-level ML role to contribute to innovative AI projects and accelerate learning in a ML field.

TECHNICAL SKILLS

- **Programming:** Python, C++
- **ML & Data Tools:** NumPy, Pandas, Scikit-learn, Matplotlib (basic)
- **Front-end:** React.js, Tailwind CSS, HTML, CSS, JS
- **Others:** LangChain, Docker, MongoDB, Git, API Integration,

EDUCATION

Bachelor of Technology, Computer Science	CGPA: 7.88 / 10
Bansal Group of Institutions, Bhopal	2023 – 2027
XII Class, MP Board	Percentage: 72.6%
Govt. Hamidia Boys High School, Bhopal	April 2023

PROJECTS

Chatbot using LangChain – *Python, LangChain, OpenAI API, Streamlit*
- Built a LangChain-powered chatbot that handles conversational queries with memory and prompt templates for context.
- Integrated streaming responses from OpenAI's API and designed an interactive Streamlit UI.
- Planned feature: Image generation for richer conversational outputs (to be added soon).

ML-Based Prediction Model – *Python, Scikit-learn, Pandas*
- Developed a supervised learning model (e.g., Linear Regression) for predicting target variables from real-world datasets.
- Executed complete pipeline: data cleaning, feature engineering, model training, cross-validation, and evaluation using MAE/MSE.
- Visualized insights with Matplotlib to optimize model performance.

2048 Game (Python) – *PyGame*
- Created the classic 2048 puzzle game with tile-merging logic, scoring, and event handling.
- Implemented GUI using Tkinter, ensuring smooth animations and responsive key bindings.
- Reinforced understanding of algorithmic problem solving and graphical interface design.

CERTIFICATIONS & ACHIEVEMENTS

- **Machine Learning in Python** (Oct 2024 – Nov 2024) | ACMEGRAE Training Program (IIT-Bombay) - Gained practical exposure to Python, NumPy, Pandas, and core ML concepts.
- **Awarded Electric Scooty** by MP Government for Academic Excellence (High School,2023)

INTERESTS

Reading, AI & ML Applications, LangChain Development, Open Source Contribution, Technical Blogging