Mohd Faiz Khan

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OBJECTIVE

Machine Learning and AI enthusiast with expertise in building and deploying data-driven models. Passionate about leveraging deep learning and predictive analytics to solve real-world problems.

WORK EXPERIENCE

Programming Instructor   Aug 2023 – Present

Kutchi ITI | India

- Instructed courses in C, C++, Python, Java, and full-stack development.
- Guided students on projects, specializing in problem-solving and code optimization.
- Designed instructional materials, contributing to curriculum development.

Python Developer (Github)   Oct 2023 – May 2024

Kutchi ITI | India

- Built dynamic web apps with Django, integrating robust database features and intuitive UIs.
- Designed and maintained relational databases with SQL for optimal data storage.
- Developed secure login features for administrators and students.
- Analyzed institute data, creating a dynamic dashboard with visualization tools.
- Conducted thorough testing to identify and fix bugs, ensuring app stability.

PROJECTS

GestureAI   View on Github, Docs

- Developed a vision-based system that transforms hand gestures into computer commands using OpenCV and MediaPipe.
- Enabled users to control the cursor, perform clicks, adjust volume, scroll, and paint in the air with intuitive hand gestures.
- Designed as a cost-effective alternative to touchscreens and stylus devices, requiring only a webcam for gesture detection.
- Provides an interactive interface for real-time gesture tracking.

LunarisAI   View on GitHub, View Live

- Integrated Gemini API for dynamic AI responses in a sleek web app.
- Enabled login via GitHub and Google with profile management
- Implemented techniques to refine and structure raw AI responses.

AutoMLify   [View on Github](#), [View Live](#)

- Created a web app that automates the entire Machine Learning workflow.
- Integrated automated data profiling and visualization for quick insights.
- Enabled automatic training of multiple models and comparison of their performance.
- Implemented functionality to save the best-performing model with a single click.

RealEstateEstimator   [View on GitHub](#), [View Live](#)

- Processed 200,000 property records from 81 Indian cities for data cleaning and feature engineering.
- Achieved 95% accuracy using regression models like Linear Reg, RF, and Gradient Boosting.
- Created a web app using Django with a frontend in HTML, CSS, JavaScript, Bootstrap, and SCSS.
- Implemented API endpoints and JS logic for dynamic input and prediction.

SKILLS

Languages: Python | C / C++ | JavaScript |SQL

Machine Learning & AI: Supervised & Unsupervised Learning | Predictive Modeling | Reinforcement Learning | Neural Networks | Deep Learning | Transfer Learning | Large Language Models (LLMs) | Natural Language Processing (NLP) | Computer Vision | TensorFlow & Keras | PyTorch | Scikit-Learn | PyCaret | MLflow | OpenCV | MediaPipe

Development & Deployment: Data Preprocessing | Feature Engineering | Model Deployment | FastAPI | Flask | Django | Streamlit | Docker | REST API | Git | GitHub

Soft Skills: Communication | Leadership | Time Management | Adaptability | Problem Solving | Teamwork | Creativity | Logic Building | Analytical Thinking

EDUCATION

Bachelor of Science (B.S.C) – *Computer Science*   Jun 2022 – May 2025
University of Mumbai (India)

Year 1 SGPI: 9.50 | Year 2 SGPI: 9.80

CERTIFICATIONS

Diploma in Advanced Python Programming   [View credentials](#)

Accenture Data Analytics and Visualization   [View credentials](#)

Codebasic's Data Analytics Bootcamp   [View credentials](#)