

Mobeen Fatima

Data Scientist | Machine Learning, Predictive Modeling & Data Application Development

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Education

BS (computer Science) specialized AI,
PMAS Arid Agriculture university, Rwp
2024 – Present
GPA: 3.5

My Skills

- Machine Learning Algorithms
- Deep Learning
- Computer Vision(OpenCV, YOLO)
- Pandas, NumPy, SQL
- Data Science & Analytics
- Data Processing
- Data Validation & Cleaning
- EDA + Data Visualization
- NLP & Text Processing (OCR)
- Matplotlib, Seaborn, plotly
- Feature Engineering & Selection
- Pipeline & Data Engineering
- Pipeline Automation
- Synthetic Data Generation
- Large Language Models(LLMs)
- Backend: Python, Flask, FastAPI, REST API Development
- Frontend: React, JavaScript, HTML5, CSS3, Tailwind CSS
- Deployment & Web Stack: Vite, Vercel, Hugging Faces

Publications

- Fake News Detection Dataset (6000 News Articles),**
Kaggle Dataset
- Student Career Success Prediction Dataset,** *Kaggle Dataset*
- Breast Cancer Prediction Dataset | 10,000 Patient,**
Kaggle Dataset
- Human Digital Twin Dataset for AI & Healthcare,**
Kaggle Dataset
- Penguin Size & Physique Prediction Dataset,** *Kaggle Dataset*
- Cardiovascular Disease Risk Prediction Dataset,**
Kaggle Dataset
- Emotion Detection Dataset (100K Text-Samples),**
Kaggle Dataset

Languages

- English (Fluent)
- Urdu (Native)
- Punjabi (Native)

About Me

Detail-oriented Machine Learning Specialist and Analyst skilled in transforming complex datasets into actionable insights and production-ready predictive models. Proficient in Python, SQL, Pandas, Scikit-learn, React, Flask, and FastAPI for engineering custom predictive algorithms, NLP models, and data pipelines handling 100k+ records. Passionate about bridging data science research with functional web applications to solve complex technical challenges.

Professional Experience

- Machine Learning, (2 months) --- DevSphere**
15/04 – 15/06/2026
- Data Analytics, (2 months) --- Arch Technologies**
01/06 – 30/07/2026
- Machine Learning, (1 month) --- SoftGrowTech**
20/03 – 20/04/2026

Projects

- Fake News Detection System,** *Python, Flask, Scikit-learn*
- LEOeye,**
Real-Time Object Detection Platform(Python, Flask, YOLO)
- CVora, Resume Builder Application**(React, JavaScript, CSS3)
- Echo Analyzer, Audio / Text Processing App**(Python, Flask)
- WeatherPulse,**
Dynamic Weather Application(React, Vite, REST APIs)
- InkForge, AI Writing Workspace**(React, Tailwind CSS, JavaScript)
- BoardBuddy,**
Collaborative Digital Workspace(React, TypeScript, Tailwind CSS)
- PhishGuard AI,**
Phishing Detection System(Python, Flask, Scikit-learn)
- NutriScan AI,**
Nutritional Intelligence Platform(Python, Flask, PyTorch)
- Medical Report Analyzer,**
AI Healthcare Assistant(Python, Flask, Machine Learning)

Certificates

- Data Analysis With Python (IBM)
- Applied Data Science with Python Specialization (IBM)
- Data Analyst: Career Preparation (IBM)
- Mastering RAG: Build Smart, Data-Driven Application (IBM)
- Generative AI (Microsoft)
- Data Visualization + Pandas (Kaggle)