MUHAMMAD SHAHZAIB

JUNIOR – AI / ML ENGINEER

GitHub: github.com/mshahzaib4 | **Kaggle:** kaggle.com/shahzaibmalik44 | **Portfolio:** mshahzaibai.netlify.app

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SUMMARY

Computer Science graduate with hands-on experience in developing ML-powered web applications and dashboards. Proven ability to solve real-world problems using Python, Scikit-learn, and TensorFlow. Passionate about applying AI to healthcare, game development, and predictive analytics.

PROFESSIONAL EXPERIENCE

Intern - Arch Technologies & - Islamabad (Remote)   **May 2025 - Present**
- Assisted in building and testing machine learning models for real-world applications.
- Performed data preprocessing, feature selection, model training, and evaluation tasks
- Gained hands-on experience with Python, Scikit-learn, and TensorFlow.

Intern - All Wahab Studio – Lahore   **Aug 2024 - Sep 2024**
- Designed and integrated AI-driven features to enhance real-time gameplay.
- Utilized machine learning to improve game logic and player interaction.
- Collaborated with developers to implement intelligent behaviors for game characters.

PROJECTS

Industrial Basics and General Application   **Nov 2024 - March 2025**
- **Salary Prediction System** Developed a Flask web app using ML models to predict salaries based on job-related features.
- **NLP Sentiment Analysis (XM Dataset)** Applied natural language processing to classify sentiment, showcasing text analytics and model deployment skills.
- **Laptop Price Prediction** Built a regression model to estimate prices, demonstrating understanding of feature selection and real-world applications.
- **Blood Glucose Prediction (ANN)** Used artificial neural networks to forecast glucose levels — relevant for healthcare AI and predictive modeling.
- **Power BI Dashboard** Created interactive dashboards to visualize business data.

SKILLS

- Python, C, C++, HTML, CSS
- MongoDB, Flask, FastApi
- Data Structures and Algorithm
- Power BI, Tableau
- TensorFlow, PyTorch, Scikit-learn
- NumPy, Pandas, OpenCV
- Seaborn, Matplotlib, Plotly
- Pydantic
- Machine Learning
- Deep Learning
- NLP

EDUCATION

Government College University Faisalabad   **2021 - 2025**
- Won coding competitions individually and in teams
- Gained web development experience and completed several ML/AI projects
- Collaborated with tech students on university projects and events

ADDITIONAL INFORMATION

- **Languages:** English, Urdu, Punjabi.
- **Certifications:** Introduction to Deep Learning - Coursera, Regression Models - Coursera, Deeplearning.ai Specialization, Virtual Assistant - DigiSkills.
- **Awards/Activities:** Winner, Individual Coding Competition – 2024, Winner, Team-Based Coding Competition – 2024, Completed multiple AI, ML, and web development projects, Contributor to Kaggle challenges and online learning communities