

# MUHAMMAD SHAHZAIB

## AI / ML ENGINEER

**GitHub:** [github.com/mshahzaib4](https://github.com/mshahzaib4) | **Kaggle:** [kaggle.com/shahzaibmalik44](https://kaggle.com/shahzaibmalik44) | **Portfolio:** [mshahzaibai.netlify.app](https://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     | • TensorFlow, PyTorch, Scikit-learn | • Machine Learning |
| • MongoDB, Flask                | • NumPy, Pandas, OpenCV             | • Deep Learning    |
| • Data Structures and Algorithm | • Seaborn, Matplotlib, Plotly       | • NLP              |
| • Power BI, Tableau             |                                     |                    |

### 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