

Muhammad Shahzaib Yaqoob

Narowal, Punjab • shahzaibmalik0448@gmail.com • [linkedin.com/in/shahzaibyaqoob](https://www.linkedin.com/in/shahzaibyaqoob)
• <https://mshahzaibai.netlify.app/>

AI / ML Engineer

Aspiring AI/ML Engineer with experience in game development, specializing in machine learning algorithms and data analysis. Eager to leverage hands-on expertise in Python, deep learning, and data modeling to contribute to innovative projects and further develop skills in AI/ML solutions. Passionate about solving complex problems and driving technological advancements.

WORK EXPERIENCE EDUCATION

Bachelor of Science - BS in Computer Science

Shara College, Narowal, affiliated with Government College University Faisalabad. • GPA: 80% • 12/2021 - 02/2025

I am a Computer Science graduate from Government College University Faisalabad (GCUF), with a strong foundation in coding, machine learning, and problem-solving. Throughout my academic journey, I developed a deep interest in AI and ML, further reinforced by my hands-on experience with machine learning models, data analysis, and game development. As a winner of individual and team coding competitions, I am committed to continuously learning and applying my skills to real-world problems.

CERTIFICATIONS

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|--|----------------------------|----------|
| • Introduction to Deep Learning | • Regression Models | Coursera |
| | Coursera | |
| • Deeplearning.ai | • Virtual Assistant | |
| Coursera | Diji Skills | |

PROJECTS

Salary Prediction System

The **Salary Prediction System** is a web application built with Flask, HTML, and CSS that integrates machine learning models to predict employee salaries. It leverages models such as Linear Regression, Lasso, Ridge, Decision Tree, SVR, Random Forest, and Gradient Boosting. The system includes data visualization and model training features, demonstrating my expertise in deploying machine learning models with a user-friendly interface.

Power BI Dashboard Project

The **Power BI Dashboard Project** demonstrates my skills in creating interactive dashboards and visualizations to provide actionable insights into various business processes. Using real-world datasets, the project showcases my ability to analyze trends and improve decision-making and business performance through effective visual storytelling.

Kaggle Projects

Contributed to various Kaggle challenges, utilizing advanced ML algorithms for data cleaning, feature engineering, and model evaluation. Experience with diverse datasets has honed my ability to tackle realworld AI problems.

SKILLS

- **Skills:** C, C++, Data Structures and Algorithms, Python
- **Tools & Platforms:** Code: Block, Jupyter, Visual Studio
- **Data Visualization Tools:** Power BI, Tableau
- **Libraries & Frameworks:** Flask, Keras, Matplotlib, NumPy, Pandas, Plotly, PyTorch, Scikit- learn, Seaborn, TensorFlow
- **Concepts & Techniques:** Algebra, Calculus, Data Preprocessing, Data Structures, Deep Learning, Machine Learning, NLP, Object- Oriented Programming (OOP), Statistics
- **Interests:** Adventure and Outdoor Activities, Artificial Intelligence and Machine Learning, Bike Riding, Boxing, Data Science and Big Data Analytics, Fitness and Sports, Participating in Hackathons and Coding Competitions, Problem Solving and Algorithm Design
- **Soft Skills:** Communication, Leadership, Problem-solving, Self- Motivation, Team Collaboration