

Muhammad Hasaan Nasir

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Based in: Bahawalpur, Punjab, Pakistan

WORK EXPERIENCE

2023 - Today Machine Learning Engineer (Personal & Academic Projects)

- Built predictive models, including linear regression, decision trees, and random forests, to solve business problems.
- Designed and trained classification models for binary and multi-class problems using logistic regression, SVMs, and KNN.
- Applied clustering techniques like K-means and hierarchical clustering for customer segmentation tasks.
- Worked on dimensionality reduction methods such as PCA to improve model performance.
- Developed and deployed advanced machine learning pipelines for tasks such as NLP, recommendation systems, and reinforcement learning scenarios.
- Worked on model deployment using Tkinter for interactive applications.

ACADEMIC BACKGROUND

2021 – 2025 The Islamia University Bahawalpur - Bachelor's Degree in Computer Science

LANGUAGES & COMPUTER SKILLS

LANGUAGES:English(Fluent), Urdu(Native)

IT SKILLS:

- Python (Expert)
- Scikit-learn, XGBoost, TensorFlow, OpenCV, NumPy, Pandas, Matplotlib.
- Model Deployment (Machine Learning, Tkinter).
- Tools: VS Code, Google Colab, MS Word(Basic), Excel(Basic), PowerPoint(Basic).

EXTRACURRICULAR ACTIVITIES

PROJECTS: - Student Face Recognition Attendance System

Added Value: Designed an efficient face recognition-based attendance system using OpenCV and deep learning techniques. Automated attendance records with high accuracy.

- Multiple Human Disease Prediction System

Added Value: Integrated detection of seven diseases under one platform using deep learning and machine learning models. Built a Tkinter-based user-friendly interface for seamless interaction..

GENERAL SKILLS:

- Strong analytical and problem-solving skills.
- Effective communication and team collaboration.
- Adaptive to new tools and technologies.

SPORTS: Cricket , Football