

ALAMGIR KHAN



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GitHub



LinkedIn



Kaggle



Portfolio

Education

B.Sc. in Software Engineering
Agriculture University Peshawar, Pakistan
Graduated: 2015

Summary

Motivated and detail-oriented Web Developer with experience in Python, data analysis, and machine learning. Skilled in building web applications using HTML, CSS, JavaScript, and PHP, and developing data-driven solutions using AI tools and Python libraries. Passionate about leveraging web technologies and artificial intelligence to solve real-world problems.

Work Experience

NGEN (Next Generation Circle) Peshawar, Pakistan

AI Tools Specialist |
March 2022 – Dec 2024

- Developed automation and analytics solutions using Pandas, NumPy, Scikit-learn, Matplotlib, and Seaborn.
- Built and evaluated machine learning models to support internal AI workflows and data-driven decision-making.
- Integrated AI solutions into business operations to improve productivity and automate routine processes.
- Delivered internal training on data analysis techniques and Python-based tooling.
- Contributed to proof-of-concept projects demonstrating practical applications of ML and AI in real-world scenarios.

Directorate of Tourist Services (DTS) Peshawar, Pakistan

Software Developer & SQA Engineer
Jan 2019 – Feb 2021

- Developed and maintained web-based applications using HTML, CSS, JavaScript, and PHP frameworks.
- Designed and executed manual and automated test plans to ensure software quality and compliance with standards.
- Collaborated with cross-functional teams to gather requirements and deliver user-friendly software products.
- Conducted performance and security testing to ensure stability and scalability of applications used by government stakeholders.

Web Development & AI Projects

Insafe AK LPG Admin Panel

Developed a web-based admin dashboard for managing LPG sales, stock, and expenditures with secure authentication and user login system.

Technologies: PHP, MySQL, HTML, CSS, JavaScript

Live Demo: <https://insafpg.kesug.com/login.php>

GitHub: <https://github.com/AlamgirKhan48692>

Emotion Detection AI

Built a deep learning CNN model to detect human emotions from facial expressions using the FER2013 dataset.

Technologies: Python, TensorFlow, Deep Learning, Streamlit

Live Demo: <https://emotion-detection-ai-alamgir.streamlit.app>

GitHub: <https://github.com/AlamgirKhan48692/emotion-detection-ai>

Bitcoin Price Prediction

Developed a machine learning model using Linear Regression to predict Bitcoin prices based on historical data.

Technologies: Python, Pandas, Scikit-learn, Streamlit

Live Demo: <https://yqhhc2pgpyktsjbvy3cbli.streamlit.app>

GitHub: <https://github.com/AlamgirKhan48692/Bitcoin-Price-Prediction-using-Linear-Regression>

Titanic Survival Prediction

Created a machine learning model to predict passenger survival using logistic regression and data preprocessing.

Technologies: Python, Pandas, Scikit-learn, Streamlit

Live Demo: <https://titanic-survival-prediction-project-fmnrzgmkvwcd8f6gpe5sgn.streamlit.app>

GitHub: <https://github.com/AlamgirKhan48692/Titanic-Survival-Prediction-Project>

Medical Data Visualizer

Built a data visualization project analyzing medical examination data using categorical plots and heatmaps.

Technologies: Python, Pandas, Matplotlib, Seaborn, Streamlit

Live Demo: <https://medical-data-visualizer-brmhrdgpuntyra2snp8hav.streamlit.app>

GitHub: <https://github.com/AlamgirKhan48692/medical-data-visualizer>

Sea Level Predictor

Developed a regression model to analyze historical sea level data and predict sea level rise through 2050.

Technologies: Python, Pandas, Matplotlib, Linear Regression, Streamlit

Live Demo: <https://sea-level-predictor-bxha3gfvjlbwtbgqyztzp.streamlit.app>

GitHub: <https://github.com/AlamgirKhan48692/Sea-Level-Predictor>

Certificates

- Python (Basic)**
HackerRank | June 2025 | [Certificate Link](#)
- Intro to Machine Learning**
Kaggle | June 2025 | [Certificate Link](#)
- Scientific Computing with Python**
FreeCodeCamp | May 2025 | [Certificate Link](#)
- Data Analysis with Python**
FreeCodeCamp | June 2025 | [Certificate Link](#)
- Pandas**
Kaggle | June 2025 | [Certificate Link](#)
- Data Visualization**
FreeCodeCamp | June 2025 | [Certificate Link](#)

Skills Summary

- Programming: Python, C++, PHP
- Web Development: HTML, CSS
- Data Science: Pandas, NumPy, Scikit-learn
- Data Visualization: Matplotlib, Seaborn
- Soft Skills: Communication, Leadership, Teamwork, Time Management