



Muhammad Umair

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EXPERIENCE:

High Tech Software (Remote)

Nawabshah
June 2024 – July 2024 |

Web Developer Intern – HTML, CSS, JavaScript, nodejs

- Developed full-stack web applications using HTML, CSS, JavaScript, and nodejs.
- Implemented **user authentication**, form validation, and **CRUD** operations.
- Designed responsive, user-friendly interfaces for cross-device compatibility.
- Utilized **Git** and **GitHub** for version control and clean code management.
- Completed 10+ real-world tasks and mini-projects to strengthen development skills.

PROJECTS

AgroNex

Flask, Machine Learning (EDA, Feature Engineering, Random Forest), CNN

[Linkedin=<https://www.linkedin.com/feed/update/urn:li:activity:7335206315155177472/>]

- Developed AgroNex, an AI-powered web application for **crop disease detection**, **crop recommendation**, and agricultural guidance.
- Built a CNN model to classify crop diseases from images with high accuracy and real-time prediction support.
- Achieved **97.5%** test accuracy and **99.1%** train accuracy using Random Forest for crop recommendation.
- Implemented **fertilizer prediction** achieving **96.6%** test accuracy and **95.5%** train accuracy.
- Integrated **Gemini API** to provide chatbot-based real-time agricultural consultation.
- Added weather forecasting functionality via **weather API** to support data-driven farming decisions

HappyNex

Streamlit, Machine Learning Workflow, EDA, Feature Engineering

<https://countrishappinesspredict-bundoezvexvyh4wbaz2ekm.streamlit.app/>

- Developed a web application to analyze and visualize five years of global happiness data across countries and regions.
- Performed **data preprocessing**, exploratory data analysis (**EDA**), and **feature engineering** for predictive modeling.
- Built and trained model to predict country-level happiness scores.
- Applied a complete **machine learning pipeline**, including model evaluation and deployment.
- Enabled users to perform dynamic analysis based on region, country, and year, and delivered insights through interactive visualizations for better interpretability.

eCommerce Shop Data Analysis

• in which i identify **staffing needs** and **top-selling products**, leveraging insights to support operational decision-making. Developed an interactive dashboard to **visualize trends** and key performance indicators”

Technical Skills

- Programming Languages: Python, JavaScript
- Frameworks & Libraries: Flask, Express.js, Pandas, Scikit-learn, TensorFlow
- Databases: MySQL, MongoDB (Basic)
- Tools & Platforms: Git, AWS (S3, EC2, IAM)
- Other Skills: Data Analysis, REST APIs

Achievements

- Awarded Excellence Award for securing 1st position in the first year of university.
- Received a cash prize for achieving 2nd position in the second year of university

Education

Quaid-e-Awam University of Engineering, Science and Technology
B.E. in Software Engineering

Feb 2023 – Presentt