**Mehmood Jamal Bhutta**

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**WORK EXPERIENCE**

Knowledge Stream [<https://knowledge.tech/>] *(*09.2023 – 12.2023

Data Sciences: Machine Learning

Applied advanced data science techniques, leveraging machine learning algorithms to

derive meaningful insights and solutions.

Proficient in data preprocessing, feature engineering, and model evaluation to

enhance predictive model performance.

Demonstrated expertise in utilizing popular machine learning libraries such as scikit-

learn, TensorFlow, and PyTorch.

Developed and deployed machine learning models for real-world applications,

showcasing a practical understanding of the end-to-end data science workflow.

Executed exploratory data analysis (EDA) to uncover patterns, trends, and outliers,

facilitating informed decision-making processes.

Knowledge Stream [<https://knowledge.tech/>] (Aug 23 – Sep 6)

Python Django

Acquired hands-on expertise in developing dynamic web applications through the

utilization of the Django framework.

Demonstrated proficiency in Python fundamentals, encompassing variables, data

types, classes, lists, tuples, dictionaries, as well as conditional statements (if-else) and

loops.

Delved into collaborative practices during my training in the knowledge stream,

fostering effective teamwork and communication skills.

Proven adaptability in diverse work environments, showcasing a capacity to

seamlessly navigate and contribute to varying tasks and challenges.

**PROJECTS**

Data Sciences (Cyber Security Attacks)

EDA/ Machine Learning

Conducted Exploratory Data Analysis (EDA) on cybersecurity attack datasets to identify patterns, anomalies,

and potential threats.

Utilized statistical techniques and visualization tools to gain insights into the characteristics and trends of

cyber threats, enhancing proactive threat detection.

Applied machine learning algorithms for the analysis of cybersecurity data, contributing to the development

of predictive models for threat identification and prevention.

Data Sciences: Cardiovascular Disease Dataset

This dataset contains a comprehensive collection of health-related features associated with individuals,

focusing on factors that may contribute to or indicate the presence of cardiovascular disease. Attributes include

demographic information, lifestyle choices, medical examination results, and relevant clinical measurements.

Having conducted thorough Exploratory Data Analysis (EDA), insights into patterns, correlations, and

potential risk factors have been extracted. Additionally, Machine Learning (ML) techniques have been applied

to develop predictive models aimed at identifying and understanding factors influencing cardiovascular

health, contributing to a deeper understanding of this critical medical condition.

Quiz Application (Django)

Designed and implemented a dynamic full-stack quiz application, delivering captivating quizzes with

instantaneous feedback.

Utilized a tech stack comprising HTML, CSS, JavaScript, and Python to craft intuitive user interfaces, manage

user authentication, and seamlessly administer quizzes.

Engineered robust admin controls for comprehensive question management, showcasing proficiency in end-

to-end development. The project not only demonstrates technical prowess but also underscores my adeptness

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**CORE SKILLS**

**Programming Languages: Python, Html/CSS**

**Developer Tools: Git, VsCode, Colab, Jupyter notebook, Google Colab**

**Frameworks: Django**   
**Databases:** MySQL

ML related Skills: Pandas, NumPy, Matplotlib, Seaborn, Data Manipulation and Cleaning, Data preprocessing

* Missing data handling
* Machine Learning:
* Supervised and unsupervised learning
* Classification, regression, clustering
* Model evaluation and hyperparameter tuning
* Machine Learning Libraries:
* Scikit-Learn
* TensorFlow
* Keras
* PyTorch

**EDUCATION**

Pearson college London

BBA, Distinction holder (Aug/23)