Mehmood Jamal Bhutta

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Professional Experience

09.2023 – 12.2023
Lahore

Data Sciences: Machine Learning
Knowledge Streams
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.

06.2023 – 09.2023
Lahore, Pakistan

Python Django
Knowledge Streams
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.

Education

08.2023
Lahore, Pakistan

Bachelor of Business Administration (BBA)
Ivy ICMS (Pearson College London)
Distinction holder

Skills

Data Sciences : Machine Learning
Machine Learning Expertise:

Applied machine learning algorithms to solve complex problems, demonstrating proficiency in supervised and unsupervised learning.
Developed predictive models using scikit-learn, TensorFlow, and PyTorch, achieving accurate and actionable results.
Strong understanding of classification, regression, clustering, and ensemble techniques in the context of machine learning.
Data Exploration and Analysis:

Conducted in-depth exploratory data analysis (EDA) to extract meaningful insights from diverse datasets.
Utilized statistical techniques and visualization tools to identify patterns, trends, and outliers.
Implemented data preprocessing and feature engineering to enhance model performance and data quality.

Python
Back-End
Developer using Python, including backend logic
Proficient in leveraging Python frameworks like Django.
Demonstrated skills in creating user-friendly interfaces, handling authentication, and managing data with Python.

Languages

- English
- Urdu

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.

Quiz Application
Djnago
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 in preparing diverse

Data Sciences: Machine Learning
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.

Libraries & Tool

Libraries ●●●○○
Numpy, Pandas, Sci-Kit Learn, Matplotlib , Seaborn, PyTorch

Developer Tools ●●●○○
Git, VsCode, Pycharm, Jupyter Notebook, Google Colab