Muhammad Jawad

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**EDUCATION**

**University of Peshawar** 2021 - Current

BS Computer Science – CGPA **3.65/4.0**

**PROJECTS**

**Generative AI Chatbot Project**

* Utilized the [**google/gemma-2b-it**](https://huggingface.co/google/gemma-2b-it) Gemma model from Hugging Face to create a chatbot capable of generating human-like text responses for various user inputs.
* Integrated an interactive user interface with Streamlit, allowing users to easily interact with the chatbot and configure response settings.
* Added customizable system prompts, adjustable response settings, and a chat history management system to enhance user experience and engagement.

**Machine Learning for Student Adaptability in Online Education during COVID-19**2024

* Implemented machine learning algorithms including KNN and Decision Trees to predict adaptivity levels of students in online education settings during COVID-19.
* Conducted comprehensive data preprocessing steps, including binary encoding, one-hot encoding, and ordinal encoding, to prepare the dataset for analysis.
* Achieved accuracy scores of 90% and above using both KNN and Decision Tree models, demonstrating proficiency in model selection and evaluation techniques.

**Hotel Analytics Dashboard** 2024

* Led hotel analytics Capstone Project, using Power BI to visualize key metrics and deliver actionable insights for strategic decision-making.
* Analyzed metrics including Revenue Management, Platform Performance, Customer Experience,andMarket Trends to drive value for the luxury hotel chain.
* Transformed data into actionable business insights, showcasing strong analytical abilities.

**CERTIFATIONS**

**ByteWise Limited**  2024

Data Science Fellowship

**AtomCamp**  2024

AI (ML, DL, CV, NLP, MLOps, GenAI) BootCamp

**AtomCamp**  2024

Data Science BootCamp

**Change Mechanics - DECODE** 2024

Data Analytics BootCamp

**SKILLS**

* Machine Learning/Deep Learning
* Python: pandas, numpy, scikit-learn, seaborn, matplotlib, ydata\_profiling
* Keras, PyTorch, TensorFlow
* Statistical Analysis
* MySQL/PostgreSQL
* SQL
* Microsoft Power BI
* Spreadsheet

# EXTRACURRICULAR

**Volunteer @ KP Business Expo 2023 - University of Peshawar** Nov 2023 – Dec 2023

* Initiated engagement with local businesses, persuading their participation at the expo, amplifying community representation.
* Managed business stalls, ensuring organized and appealing presentations, optimizing visitor experience.
* Collaborated in a team to implement efficient crowd management strategies, enhancing event operations