Muhammad Ghulam Jillani

 LinkedIn | +92-321-1174167 | +92-321-1179584 | Jillani Portfolio.com | m.g.jillani123@gmail.com | k Kaggle | GitHub | Medium

Technical Skills _____

- **Programming & Development:** Python, Scikit-Learn, TensorFlow, Keras, Nltk, Gensim, Transformers, EDA, ETL, PySpark, Matplotlib, Plotly, Open-CV, SQL, Vector DB, Flask, Streamlit, LLM, Docker, GitHub Action, CI/CD, NoSQL, Git.
- **Data Science & AI:** Machine Learning, Deep Learning, Data Analysis, Predictive Modeling, Artificial Intelligence, Software Development, Statistical Modeling, Data Visualization, Data Engineering, Model Deployment, Time Series Analysis, Cloud Computing, Big Data Technologies, NLP, Prompt Engineering, Generative AI, LangChain.
- **Management & Operations:** Business Analysis, Cloud Platforms (Heroku, GCP, Azure, AWS), MlOps, AIOps, ML flow, Auto ML, PyCaret, Process Automation, Stakeholder Management, Decision-Making, Power Bi, Agile Methodologies, Microservices, Team Building, Project Management.
- **Communication & Collaboration:** Effective Communication, Collaboration, Stakeholder Management, Team Building.
- **Languages:** English, Urdu, Hindi – All professional proficiency.

Experience _____

Sr. Data Scientist & Machine Learning Engineer	BlocBelt	*Maryland, USA*	**12/2022 – Current**

- **Strategic Leadership:** As a Senior Data Scientist at BlocBelt, I bring expertise in Big Data, Data Analysis, and Engineering, along with proficiency in Machine Learning techniques. Led a team of three, devising AI-based SaaS and PaaS solutions to drive business growth.
- **Sales Amplification:** Elevated sales forecasts by 80-90% through meticulous data analysis of 500+ market entities.
- **Operational Excellence:** Enhanced operational efficiency, saving clients up to $2M through OpenCV compliance solutions.
- **E-commerce Innovation:** Orchestrated the design and deployment of a personalized fashion E-commerce platform, bolstering sales by 80% via a sophisticated recommendation engine.
- **Data-Driven Initiatives:** Championed projects harnessing statistical modeling, predictive analytics, and cloud technologies to maintain BlocBelt's competitive edge.
- **AI Integration:** Seamlessly incorporated AI into SaaS and PaaS offerings, leveraging expertise in distributed systems.

Kaggle Master Mentor	Google-Kaggle	*San Francisco, USA*	**12/2022 – 11/2023**

- Engaged in a part-time capacity, dedicating 18-22 hours weekly, representing **Jillani SoftTech** as a Data Scientist and Machine Learning Engineer. Offered expertise in Tech Life, Coding, and provided career guidance through the **Kaggle-X BIPOC Mentorship Program**.
- Achieved a notable distinction as the first Pakistani in the Kaggle-X BIPOC Mentorship Program, ranking within the **top 100 Kaggle ranks globally.**
- Spearheaded a team of four, cultivating their technical prowess, bolstering confidence, and amplifying their professional and community contributions.
- Championed the growth of the data science community, instigating positive technological and data-driven transformations.

Data Scientist	Crypto Express	*Thailand*	**08/2022 - 12/2022**

- Spearheaded the development of an innovative Anti-spoofing Face-App, enhancing digital identification security.
- Applied AI and ML methodologies to address real-world challenges across diverse markets.
- Analyzed complex data sets, created machine learning models, and effectively communicated results.
- Continuously honed expertise in Exploratory Data Analysis (EDA), Machine Learning, and Deep Learning algorithms.
- Embraced the flexibility of remote work, gaining hands-on experience in a dynamic AI/ML field.

AI Trainer	Pakistan Freelancing Training Center	*Lahore, Pakistan*	**01/2022 - 09/2022**

- Led training sessions for students in AI and Data Science techniques, equipping them to address real-world challenges.
- Deployed AI models on various cloud platforms, showcasing practical applications of theoretical knowledge.
- Played a pivotal role in bridging the gap between academic learning and industry-relevant skills.

Data Science Intern	Open AIMP	*New Jersey, USA*	**01/2021 - 09/2021**

- Tackled real-world problems across various markets.
- Acquired practical skills in Exploratory Data Analysis (EDA) and Machine Learning Algorithms.

Education _____

Bachelor of Computer Science	Institute of Management Sciences	*Lahore, Pakistan*	**2019 - 2023**

- **Major:** Artificial Intelligence and Computer Science.

Projects _____

- **Human-Disease Predictor Web App:** Developed a Heroku-deployed predictive analytics platform using Flask for healthcare outcomes, achieving 96% accuracy in conditions like Alzheimer's, Brain Tumor, Diabetes, and Cardiovascular diseases. Demonstrated skill in managing sensitive health data, compliance with regulations, and applying MLOps, including (CI/CD), for effective and compliant model deployment.
- **Harvestify-Full-End-to-End-Project:** Pioneered a comprehensive agricultural solution that detects the health status of 100 plant varieties with a 98% accuracy rate. The platform, built using ML and DL algorithms, offers crop recommendations and is integrated into a Flask web application, leveraging MLOps for deployment on Heroku.
- **Low-Code No-Code Predictive Analytics Web App (LLM):** Designed a Low-Code/No-Code platform using OpenAI LLM Models and PyCaret, enabling users to execute classification and regression tasks on CSV datasets. The application, hosted on Heroku, emphasizes user experience, featuring data cleaning, EDA, Auto ML, and hyperparameter tuning.
- **Face-Recognition Attendance System:** Developed a facial recognition-based attendance system, training a custom model to identify individual faces. This efficient solution automates attendance marking, achieving remarkable accuracy in user identification.
- **Recommendation System :** Orchestrated three distinct recommendation engines focusing on Movies, Books, and Courses. Leveraging Python libraries, these systems suggest content based on popularity and similarity metrics, achieving over 90% accuracy.
- **Customer Satisfaction Prediction (MLOps):** Utilized Zen ML and ML flow in an MLOps framework to predict customer satisfaction. The model, benefiting from strategic data management and preprocessing, boasts a 93% accuracy rate. Zen ML and ML flow facilitated efficient pipeline management and model deployment.
- **Diet & Workout Recommendation (LLM):** Developed a Personalized Health Platform utilizing Flask and GPT-3.5 Turbo, tailored to deliver bespoke diet and exercise plans. The system intelligently adapts to individual user profiles, considering unique factors such as age, weight, and dietary preferences, to offer optimized health recommendations.
- **Content Gen-AI Assistant (LLM):** A cutting-edge AI-driven tool revolutionizing content creation across diverse niches. Combines adaptive summarization, dynamic blogging, and real-time editing, seamlessly blending user preferences with AI precision. A testament to innovation in efficient and tailored content generation.
- **Age, Gender & Emotion Recognition:** Engineered an advanced recognition system leveraging machine learning algorithms, proficiently achieving over 90% accuracy in discerning age, gender, and emotions. Hosted on Heroku, this solution is pivotal for industries encompassing security, marketing, and consumer behavior analysis.
- **AI-Powered Mobile Plan Assistant Chatbot (LLM):** Engineered using Llama 2 13B to field inquiries on mobile plans and features. Utilizes advanced algorithms for accurate, context-aware responses, streamlining user decision-making in mobile package selection.

CERTIFICATIONS _____

- **IBM Machine Learning Specialization Professional Certificate,** IBM.
- **Machine Learning Specialization,** DeepLearning.AI.
- **Deep Learning Specialization,** Deeplearning.ai.
- **Machine Learning Engineering for Production (MLOps),** DeepLearning.ai.
- **Generative Adversarial Networks (GANs) Specialization,** Deeplearning.ai.
- **Microsoft Azure AI Fundamentals AI-900 Exam Prep Specialization,** Microsoft.
- **Google Advanced Data Analytics Professional Certificate,** Google.
- **Preparing for Google Cloud Certification: Machine Learning Engineer,** Google.
- **Google Business Intelligence Professional Certificate,** Google.
- **Google Project Management: Professional Certificate,** Google.
- **Advanced Machine Learning on Google Cloud Specialization,** Google Cloud.
- **Prompt Engineering for ChatGPT,** Vanderbilt University.
- **MLOps | Machine Learning Operations Specialization,** Duke University.