Moiz KHUZEMA

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OBJECTIVE: A machine learing practitioner with 2 years of work experience at international companies and freelancing seeking opportunities to develop AI-Driven solutions.

EDUCATION

Artificial Intelligence — *Bachelor of Science*   Aug 2020 - May 2024

Ghulam Ishaq Khan Institute   GPA: 3.2

Topi, Pakistan

WORK EXPERIENCE

3NS.ai — *Machine Learning Engineer*   FEBURARY 2024 - PRESENT
- Developed a Web3 Domain Naming System utilizing text generation models, including **GPT, GorillaLLM, and Cohere**, achieving 90% response accuracy
- Implemented digital assest generation capabilities using **DALL-E 3 and Stable Diffusion**, increasing visual accuracy to 80%
- Implemented High Frequency Trading of digital assests with AI Agents using **Databricks, Langchain and Langgraph**, generating $100000 in assests traded
- Engineered backend and front end using **Flask, Next.js, TypeScript, Tailwind CSS, and PostgreSQL**, supporting over 100,000 monthly active users (https://3ns.ai/)
- Collaborated in an **Agile/Scrum** team of 8 engineers to deliver new features every 2 weeks.

FREELANCE EXPERIENCE

Website Aesthetics Scorer — *Deep Learning*   DECEMBER 2023 - JANUARY 2024
- Used **Keras/TensorFlow** to build a CNN model that scores website aesthetics, achieving an accuracy of 90%
- Augumented Kaggle's 20000 Webscreenshots dataset and trained the model to identify webpage domain and rate aesthetics respectively

Floor Plan Generation using GAN — *Generative AI*   August 2023 - November 2023
- Engineered a GAN model using **Pytorch** to generate house blueprints based on house dimensions, achieving accuracy rate of 72%
- Leveraged LIFULL HOME's dataset comprising 117,000 floor plans, optimizing model performance and realism, resulting in a 40% reduction in false positives

ACADEMIC PROJECTS

AI Crypto Trading Signal Generator — *FYP*   May 2023 - May 2024
- Used **Langchain** to build AI Agent for generating real-time trading signals, boasting an impressive 70% accuracy rate and zero false positives.
- Utilized **Binance API, TALib and Selenium** to conduct technical analysis on historical data and gather market/news sentiment, enhancing accuracy by 30% compared to conventional methods

Exploratory Data Analysis — *Kaggle*   August 2021 - May 2024
- Datasets Analyzed: CIFAR-10, Pak-Wheels, Play Tennis, Breast Cancer, Titanic, Iris, Pima Indians Diabetes
- Languages Used: **Python, R**

Algorithms Implemented From Scratch — *Course work*   August 2021 - May 2024
- AI Algorithms: Linear Regression, Logistic Regression, Decision Trees, K-mean Clustering, SVM Sort
- Search/Sort Algorithm: Bubble Sort, Insertion Sort, Merge Sort, Quick Sort Search Algorithms: Breath First, Depth First, A-star
- Other: Huffman Encoding, Minimax
- Languages Used: **C, C++**

SKILLS

- Languages: **Python, Git, Javascript, C, C++**
- Frameworks: **TensorFlow, Pytorch, Scikit-Learn, NLTK, Langchain, HuggingFace, NVIDIA CUDA, Spark, Databrick**
- Fullstack: **HTML/CSS, TypeScript, Nodejs, Reactjs, Nextjs, PostgreSQL, MongoDB, RestAPI**