HAMZA NAWAZ

For the last couple of year, I've been wholeheartedly refining AI-infused stock market prediction models by combining the insights form data analysis and machine learning, My aim is to support shrewd investors in confidently maneuvering thought the intricate world of finance

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in hamza-nawaz-67856b261   📞 +92 317 5161606   📍 Mansehra, Pakistan

EDUCATION

BS-Hons in Artificial Intelligence
Hazara University,Mansehra   **3.80 CGPA**
📅 2021-2024

INTERNSHIPS + TRAININGS

AI DEVELOPMRNTS FREELANCE ENGAGEMENTS   📅 2023 - Present
XABTA Pvt Ltd   📍 Islamabad, Pakistan

Project Intern   📅 2022 - Present
iNeuron.ai   📍 Remote

Machine Learning Training   📅 2022
XABTA Pvt Ltd   📍 Islamabad, Pakistan

Python Programmer Trainee   📅 2022
XABTA Pvt Ltd   📍 Islamabad, Pakistan

EXPERIENCES

AI Engineer   📅 2022- Present
XABTA Pvt Ltd   📍 Islamabad, Pakistan

Gen AI Engineer in (AI Generation)   📅 2023 - 2024
XABTA Pvt Ltd   📍 Part Time

Freelancing   📅 2023-Present
Fiverr/Upwork   📍 Remote

CERTIFICATIONS

Machine Learning   📅 2022
by XABTA,

Programming Fundamental   📅 2022
by XABTA,

Generative AI   📅 2024
by dynot,

SOFT SKILLS

- Python
- Machine Learning
- Deep Learning
- Django
- FastAPI
- Generative AI
- Git
- NLP
- Flask

TECHNICAL STACK

- **Machine Learning**
  Python,Data Visualisation,Supervised learning algos, Unsupervised Learning algos, ANN, CNN, EDA, Feature engineering, Feature selection & extraction etc.
- **Generative AI**
  LangChain, LanGraph, LangSmith, LangServe, Open AI, Open Source, Hugging Face Model, Crewai, Rag Pipline, Rag Reranking, Cosine Similarity, Graph DB
- **Deep Learning**
  ANN, CNN, RNN, LSTM, Transformer
- **Vector DataBase**
  Pinconce, Faiss, Chroma etc
- **Web developement :**
  Djnago, Flask, Fast API, Streamlit Gradio, HTML, CSS ,JavaScript
- **Web scraping :**
  Beatifulsoup, Scrapy, Silinium, Vision Scraping with AI, Scraping with AI Agent
- **Database:**
  Mangodb, SQL, MySQL, SQLite, PostgreSQL
- **Cloud Deployment**
  AWS, AWS EC2, Azure, Heroku, GIT Maker, Render, Streamlit Deployement,VPS, Digital Ocean

INTERESTS

- AI/ML
- Software Engineer
- Developer

LANGUAGES KNOWN

· English · Urdu · Hindko

PERSONAL PROJECTS

Machine Learning Projects:

1. **Title: EURO 2024 Winner Predictor**
   Description: Developed a machine learning model that predicts the winner of the UEFA EURO 2024 football matches. The system takes input for home and away teams and provides predictions based on trained data, enhancing insights into potential outcomes of the tournament.
   ⌗ **Repository:** https://github.com/hamza5588/football-olympic-

2. **Title: Title:EURO 2024 Winner Predictor**
   Description: Developed a machine learning model that predicts the winner of the UEFA EURO 2024 football matches. The system takes input for home and away teams and provides predictions based on trained data, enhancing insights into potential outcomes of the tournament.
   ⌗ **Repository:** https://github.com/hamza5588/vaccine_effiient

Deeplearning/GenAI:

1. **Title: AI-powered Video Analysis**
   Description: Developed an AI-powered Video Analysis Web Application using Flask and Google's Gemini AI that enables users to upload videos and receive real-time answers to questions about video content. Implemented a modern glass-morphism UI with TailwindCSS, featuring secure file handling, real-time processing status, and an interactive Q&A system. The application includes progress tracking, error handling, and responsive design, deployed on Render cloud platform.
   Tech Stack: Python, Flask, Google Gemini AI, JavaScript, TailwindCSS, HTML5/CSS3
   ⌗ **Repository:** https://github.com/hamza5588/AI-powered-Video-Analysis-Web-App/tree/master
   🌐 **Link:** https://ai-powered-video-analysis-web-app.onrender.com

2. **Title: AI Patient Chatbot**
   Description: Developed an AI-powered patient chatbot utilizing RAG (Retrieval-Augmented Generation) architecture, integrated with a vector database and LangChain for enhanced conversational capabilities. The chatbot delivers accurate, context-aware medical responses by leveraging real-time retrieval of domain-specific knowledge
   ⌗ **Repository:** https://github.com/hamza5588/AI-Patient-chatbot
   🌐 **Link:** https://ai-patient-chatbot-2.onrender.com/

3. **Title: Cleanscreen.ai**
   Description: Created a SaaS AI product for TikTok content moderation, enabling users to upload videos for automated analysis against TikTok's community guidelines. Built using Django, LangChain, HTML, CSS, and JavaScript, the tool provides instant approval status and compliance insights for creators.
   🌐 **Link:** https://cleanscreen.ai/home?next=/

Web developement:

1. **Title: ERP System for Daily Expense Management**
   Description: Developed a Django-based web application to streamline daily expense tracking and management. The ERP system provides features for logging, categorising, and analysing expenses, enabling efficient financial oversight and reporting for businesses. Designed for scalability and user-friendly interaction to enhance operational efficiency.
   ⌗ **Repository:** https://github.com/hamza5588/AccounysystemERP

Web scraping:

1. **Title: AI-Powered LinkedIn Data Scraping Tool**
   Description: Created an advanced web scraping tool leveraging OpenAI and Selenium to extract LinkedIn data using vision-based scraping techniques. The tool automates data collection, processes it efficiently, and exports the results into CSV format for further analysis. Designed for reliability and precision while adhering to ethical data usage practices.

2. **Title: Web Scraping Tool for FAQ Extraction**
   Description: Developed a web scraping tool using BeautifulSoup to extract questions and answers from the UAE tax authority's FAQ page. The tool efficiently parses, structures, and organises the data for easy access and analysis, streamlining information retrieval for users and researchers.

OCR:

- AI based OCR for extracting the text froM invoice and stored in db
- Python based OCR
- Extracting text from pdf using Regex and stored in db