Waqar Ahmed

Machine Learning Engineer

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LINKS

Visit my website for more details: https://mlguy.site

Github: https://github.com/IM07813

LinkedIn: https://www.linkedin.com/in/waqar-ahmed-a31310258

Kaggle: http://www.kaggle.com/waqar07813

Stackoverflow: http://stackoverflow.com/users/20765829/waqar

Upwork: http://www.upwork.com/freelancers/~01f32343e8f9552c54

CERTIFICATIONS:

Microsoft azure data scientist associate:

Verify-certification-link

SKILLS

Machine Learning Algorithms, frameworks and libraries
Agentic ai with langgraph and langchain
Natural Language Processing
Computer Vision
Web scrapping
Full stack web development
Experience with no code platforms like Bubble and make
Cloud Computing
Experience working with Open AI, gemini, claude, qwen and hugging face api
Sql and no sql database proficiency
Data analysis and visualization libraries
Microsoft Office Suite, Google workspace and libre office proficiency
Good understanding of advanced Data Structures & Algorithms
Experience in dynamic programming
Proficiency with both functional programming
and OOP programming paradigm

LANGUAGES

Python, javascript, C++, C

FRAMEWORKS/LIBRARIES/TOOLS/SERVICES/NO CODE PLATFORMS

Pytorch, tensorflow+keras, jax, scikit-learn, tensor-board, Pandas, Matplotlib, plotly, Numpy, Amazon-web-services, Microsoft-azure, langgraph, React.js, beautiful-soup-4, (beautiful soup 4, selenium, scrapy)

selenium, scrapy, django-&-django-rest-framework, python-FAST-api, python-flask, DOCKER, kubernetes(K8S), SQL (postgresql) and no SQL(Mongodb) databases, bubble.com , make.com.

EDUCATION:

BS physics Comsats university

I excel in multiple machine learning fields, including deep learning, reinforcement learning, natural language processing, unsupervised machine learning, and computer vision from training and fine tuning models to deploying them, Recently I started working with complete web application mainly integrating fine tuned LLM with agentic capabilities started with no code applications like bubble and make.com but later migrated to django full stack and then later to separate frontend and backend for better design and flow, now using django ,FARM stack and next.js for web applications, my passion for AI drives me to contribute actively to the community, working with different APIs and optimizing Pre-trained large language models for diverse applications. My technical expertise and commitment to pushing the boundaries of AI and adaptive thinking can make me a strong asset once given a chance to prove myself.

Projects:

Following projects I have worked and completed:

Linkedin and facebook content generator web app (snapgorithm.com):

Detail: A monolithic progressive web app in django with postgresql as database, A complete agentic AI content generator using langgraph for content generation, linkedin developer api for posting content, or scheduling and notifying users before posting via cron jobs, with social authentication options like google using allauth.

Production-Ready LinkedIn Scraper REST API:

Detail: Web scraping system with FastAPI backend featuring persistent Chrome session management, and multiple extraction strategies. Built authentication handling with CAPTCHA detection and manual authentication workflow, implemented persistent Chrome profiles for session reuse (reducing scraping time from 70s to 10s), created both CLI and REST API interfaces with comprehensive error handling and Docker deployment architecture for production scalability.

Agentic CRM for real estate company:

Detail: Created using FARM stack, complete role based access control, with claude api, langgraph, cloudinary for hosting images, Mongoatlas db as database, whatsapp api for notifications, resend api for email notification especially for verifying emails.

Real estate site:

Detail: Created using Next js and mongo db for listing properties, creating blogs related to real estate, users can list properties which admin can approve from admin panel, admin can do all CRUD operations with properties and blog posts, separate page for admin with its own credentials

Detecting ads on live TV using deep learning

Detail: I used several deep learning architectures along with algorithms to create a model that can not only detect when a commercial starts but should detect which category the commercial belongs to and output that category for every new Ad it sees on live TV.

ALL the below project source code can be found on my Github:

MCTS-UCB-Transformer-Ensemble

Detail: A chess engine model to play with you in real time using terminal interface, an encoder-only transformer, UCB and MCTS in an ensemble.

Predicting odds of sports games using unsupervised learning:

Details: Using density-based algorithm (Dbscan) to find the relative relative average prediction with respect to other book keepers so the system was designed to spot an error if it varies more than a threshold value.

Sentiment analysis with Bert:

Detail: used Google bert and fine tuned it for sentiment analysis of people comments and responses

Essay evaluation:

Detail: Fine-tune bert model along with grammar and spelling check to rate an essay with ielts band score

Chat-bot to answer physics related question:

Details: Fine-tuning Llama on our own dataset and to better understand what we want as a response

Transformer models for generative AI:

Details: To predict or generate sequence of a language using a decoder-only architecture

Implementing VIT- VQ – GAN for image generation

Details: Using Visual transformer along side vq-gan

for image generation and matching the results with

style GAN and diffusion models