AYAZ MEHMOOD

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· https://github.com/ayazmhmd

Experienced AI Engineer with machine learning, Statistical, Analytical and programming skills seeking employment with an innovative Data Science/AI firm to expand my skill set and software programming proficiency.

PROFESSIONAL EXPERIENCE

Glowlogix   July 2023 – Present
Data Science and Machine learning Engineer
- Developed and deployed Resume Parser (Annotation+Modeling+API+Deployment)
- Face Recognition Module Development and deployment.
- Research and development of Chatbot using LLMs

Medical Imaging and Diagnostic Lab (NCAI)   Oct 2022 – July 2023
Research Assistant
- Working on different projects of Medical Imaging (Breast Cancer, TB, Brain tumor)
- Tried Different AI Models on Medical image classification, detection and segmentation.
- Organized different Event related to Artificial Intelligence including Seminars, Workshop and presentation.

Smart IOT Lab (NCCS)   April 2022 –Oct 2022
AI Research Scholar
- Designed and tested new AI systems for Industrial applications and coordinated with other engineers and programmers to meet deadlines of our weekly work progress.
- Devised AI based System for real time attendance mark using face recognition.

Freelancing   2020 – Present
Data Analyst and ML Engineer
- Worked alongside a team of AI to develop, test and deploy a model that effectively detect fire and explosion from a video stream in real time and send notification message with location and exact time.
- Worked on other specifically computer vision projects related to image classification and detection and APIs creation and successfully deployed multiple Artificial Intelligence projects on Hureko and AWS Cloud

EDUCATION

National University of Science & Technology, Pakistan   2023-Present
Master In Data Science
Major: Data Science

University of Engineering and Technology Peshawar, Pakistan   2018-2022
Bachelor of Computer Systems Engineering
Major: Computer   CGPA (3.74)
Thesis: Anomaly Detection from Video Streams Using Deep Learning techniques.
Achievement: Department Topper

PROJECTS

ML and DL Projects:
- Completed regression, classification, clustering and time series projects in Python using Scikit-Learn. Codes are available [here](#) on the GitHub.
- Implemented CNN and transformed based Model on images and videos. Good knowledge of Image segmentation, classification and Detection. Experience in NLP for sentiment analysis and text classification. All codes are available [here](#) on the GitHub.
- Experience in Kaggle competition in Natural language processing, machine learning, computer vision and forecasting.
- Utilized statistical methods and visualization techniques to identify patterns, trends, and outliers in the data, leading to insights that informed business decisions.
- Developed custom scripts and tools to automate data cleaning and preprocessing tasks, improving the efficiency and accuracy of the EDA process. Codes are available in my GitHub repositories [link](#).

Research Projects:
Anomaly Detection from Video Streams Using Deep Learning techniques (FYP)
Arrhythmia Detection from ECG Signal Using Deep Learning Techniques (Research Project)
Multimedia Analysis of Disaster-Related Social Media Data (Research Project)
Early Detection of Alzheimer's disease using vision Transformer.

Model APIs and Deployment:
- Served Flask ML and DL APIs on Hureko Server.
- Created Flask API for Multiple projects of classification, segmentation and detection.
- Yolov5 models Development and Flask Deployment
- Integrated different models into flutter app by using tflite and also connected with Flask API.
- Deployed of ML Model on AWS Server (Amazon Sage Maker).

Web Development and Web Scrapping:
- Designed and developed an online resume builder using PHP and SQL database.
- Product management system for medical store for a client using Laravel and SQL database.
- Scraped different websites (Twitter mostly) using Scrapy, beautiful soup, and Parse hub.
- Scraped product data across different domains for analysis from online shopping websites.

CERTIFICATIONS

- Programming for Everybody (Getting Started with Python) - Coursera
- Introduction to Artificial Intelligence – Coursera
- Neural Network & Deep learning – Coursera
- Introduction to Data Science in Python – Coursera
- Applied Machine Learning in Python – Coursera
- Programming Basics –Great Learning
- Introduction to Machine Learning -Great Learning
- Python for Machine Learning - Great Learning
- Deep Learning, Computer vision - Great Learning

SKILLS

- **Technical Skills**
  Python, Data analytics, Statistical analysis, Machine Learning, Deep Learning, Computer vision, NLP, YOLO, Deep Sort, Transformer, OpenMMlab toolkit, Web scraping, Model Deployment, Model integration, Hureko, Amazon SageMaker, AWS, Flask, PowerBI, Excel, SQL Database.

- **Soft Skills**
  Self-Learning, Problem Solving, Critical thinking, Interpersonal Skill