

Ramsha Suhail

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Experience

HEXAA

Python Developer

Feb. 2024 - Present

- Developed backend for a blog in Django-rest framework
- Set up a login/register module with jwt authentication including integration of captcha and social login (eg: facebook)
- Phone verification using twilio, newsletter handling through mail-chimp, contact-us form using email backend configuration and stripe payment
- Restricted access using django permissions for editor, creator and admin users
- Implemented a comment and like system with notifications, added replies to comments, web socket connection, database caching, graphql, seed data, exporting of data (excel format), browser push notifications, solid principle, setup search and Image uploads
- API-testing through postman
- Created Docker images and containers, bit-bucket for CI/CD pipelines
- integrated ML content recommendation model into backend
- Integrated all the backend functionality in reactJS using api calls, use of useEffect, Axios, useState etc.

AXCELERATE AI

Machine Learning Engineer

Nov. 2023 - Jan. 2024

- Training of YOLOv8 for player detection, data-set created using ffmpeg through shell, data annotations in label-studio.
- Data-set preparation of football-detection model, automating annotations through label studio which resulted in time reduction by 70%
- Data-set creation for sticker generation model, reduced time consumption by 50%
- Web scraping and downloading of 30,000+ records using selenium automation
- Usage of FastAPI for ready for production machine learning models
- Data formatting through Microsoft Excel

Education

GHULAM ISHAQ KHAN INSTITUTE

Bachelors in Computer Science

Aug 2019 - Aug. 2023

Relevant Coursework:

Artificial Intelligence, Deep Learning, Data Science, Engineering Statistics, Linear Algebra, Numerical Analysis, Software Engineering, Introduction to Databases, OOP, Data Structures, Discrete Math, Systems Programming, Design and Analysis of Algorithm, Parallel Processing

Projects

- Blog: Github
- Ecommerce: Github

Skills

Technical skills:

Django Rest, Git, Fast API, Docker, JavaScript, HTML, CSS, C/C++, Selenium, Beautiful Soup, Microsoft Excel, Data Analysis, Data Visualization, Power-BI, Quality Assurance, Markdown, PyTorch, AWS

Software:

Linux, Visual Studio, GitHub

Programming:

Python, JavaScript

Development:

API development, Code optimization (pylint)

Machine Learning and Statistical Modelling:

Linear regression, Logistic regression, Decision Trees, Random Forest, KNN, K-Means Clustering, Neural Networks, support vector Machines, Principal Component Analysis, Computer vision