Syed Hassan Ali

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Python Django Developer

Proficient in Python and Django, specializing in backend development and creating efficient, scalable web applications. Skilled in Django Generic Views, which I've leveraged to streamline CRUD operations, simplify code, and enhance reusability across projects. With hands-on experience in Django REST Framework (DRF), I have developed RESTful APIs that ensure secure, high-performance data handling and seamless integration with frontend frameworks. My work with DRF includes using serializers, viewsets, and custom permissions to build flexible, robust APIs, focusing on delivering clean and maintainable code to meet project needs.

WORK EXPERIENCE

Bitficial, Lahore,Pakistan
Intern - Web Developer (Django)   June 2023 - September 2023 (4 months)

- Collaborated with developers to build scalable Django web applications with robust backends and user-friendly designs.
- Contributed to project development and maintenance with a focus on code quality and best practices.
- Gained hands-on Django experience, tackling backend challenges and enhancing workflows.
- Optimized website performance through caching, query improvements, and code refactoring.
- Partnered with cross-functional teams for seamless front-end and back-end integration.

Bitficial,Lahore,Pakistan
Role: Junior Django Developer   September 2023 - Continue
Technologies: Python, Django, HTML, CSS, JavaScript

- Developed a royalty distribution platform for songs using Python, Django, and MySQL with raw SQL queries for efficient data management.
- Built dashboards for admins and distributors, enabling role-based access and seamless management of royalties.
- Processed and analyzed large datasets using Pandas to generate detailed royalty reports and insights.
- Designed and implemented responsive web pages using HTML, CSS, and JavaScript to enhance user experience.
- Collaborated with a team to optimize platform performance, ensuring data accuracy and secure transactions.
- Processed and analyzed data using Python's Pandas library to generate insights and reports for royalty distribution.

Personal Project: Chat Connect

Technologies: Django, Django Channels, Python, HTML, CSS, JavaScript, OpenAI API, Git, GitHub

- Designed and developed a real-time chat application using Django Channels for WebSocket-based communication.
- Integrated OpenAI's API to create an AI-powered assistant and chatbot, enhancing user interaction and support.
- Built features for real-time messaging, typing indicators, and chat room management to ensure a seamless user experience.
- Developed a responsive front-end using HTML, CSS, and JavaScript, optimized for cross-device compatibility.
- Deployed the application on PythonAnywhere, ensuring reliable hosting and accessibility.
- Utilized Git and GitHub for version control, enabling efficient project management and collaboration.

Project: AI Chatbot

Technologies: Django, Python, OpenAI API, HTML, CSS, JavaScript

- Developed an AI-powered chatbot using Django and OpenAI's API, enabling natural language understanding and conversational interactions.
- Designed the chatbot to provide dynamic and context-aware responses, enhancing user engagement and support.
- Integrated OpenAI's language model to handle a wide range of queries and deliver human-like conversational experiences.
- Built a user-friendly front-end with HTML, CSS, and JavaScript, ensuring smooth interactions and responsive design.
- Optimized API calls and backend logic to ensure fast response times and efficient handling of user queries.

SKILLS & COMPETENCIES

Python Programming	**Generic Views in Django**
Django Web Framework	**RESTful Web Services and APIs**
Django REST Framework (DRF)	**HTML, CSS, and JavaScript**
Django Channels	**React**
Database Design and Management (SQL)	**Git Version Control (GitHub)**
Microsoft Office Suite (Word, Excel, PowerPoint)	**Agile Development Methodologies**

EDUCATION

National College Of Business Administration & Economics (NCBA&E)   - CONTINUE -

CourseWork:

Object-Oriented Programming, Database Systems, Data Structure & Algorithms, Software Engineering, Android Development,, Programming Fundamentals

COURSES / CERTIFICATIONS

Hackers Rank - SQL Basics	Great Learning - Web Development	SimpliLearn - Python Django	SimpliLearn - Introduction To FrontEnd	Hackers Rank - CSS	SimpliLearn - Python Django
Kaggle - Basics Of Pandas	Kaggle - Python Programming	Kaggle - Introduction To Programming Python	Great Learning - Python Pandas Basics	Great Learning - Introduction To HTML	SimpliLearn - Introduction To Python

PERSONAL PROJECTS

Influx   *https://orginflux.pythonanywhere.com/*

Django based web application Welcome to Influx, the social media web app crafted with Python Django that redefines how we connect and share in the digital age. Influx seamlessly combines the power of Django's robust framework with innovative features, creating a dynamic platform for meaningful social interactions.. Influx is hosted on Pythonanywhere.com.

Chat Connect   *https://chatconnect.pythonanywhere.com/*

ChatConnect is a real-time chat application built with Django Class-Based Views (CBV) and Django Channels. It supports seamless, Live communication between users. Additionally, it integrates OpenAI's API to provide AI-powered features, enhancing user interactions with intelligent responses and automation.

Tech Stack
- Django Generic Views (CBV)
- Django Channels for real-time chat
- OpenAI API integration
- HTML, CSS, JavaScript