SYED AWAIS ALI SHAH

Generative AI Developer with Python and Django Expertise

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Peshawar, PK

SUMMARY

Detail-oriented and innovative AI and software developer with over 4 years of experience in creating advanced machine learning and web-based applications. Skilled in Python,Django,LLM,Generative Ai, Natural Language Processing (NLP), and data visualization. Proven ability to deliver high-quality solutions tailored to client needs.

EDUCATION

B.S. Software Engineering
CECOS University

Peshawar, Pk
10/2017 - 11/2021

EXPERIENCE

Python Developer
RED STONE

PESHAWAR, Pk
01/2022 - 04/2022

Red Stone develops cutting-edge mobile apps and websites, delivering innovative digital solutions for businesses.

- Specialized in website development, I have created a blood donation app, a recipe app, and developed spam message detection solutions.

Python Django Developer
Travsoul Technologies

Peshawar, Pk
06/2022 - 11/2022

Travsoul specializes in developing advanced airline booking systems and efficient job exam systems for seamless travel and recruitment solutions.

- Develop two websites: one to generate roll numbers and store data in Excel, another to search and retrieve data from Excel, and construct OMR sheets using OpenCV computer vision, all deployed seamlessly on Trav soul for efficient management and scalability.

Senior Python Developer | Generative AI
Fiverr

Peshawar, Pk
12/2022 - Present

Fiverr is an online marketplace for freelance services, connecting businesses with freelancers offering digital services in over 300 categories.

- Work with 8+ clients from different countries on various AI projects.

Senior Python Developer | Generative AI
Upwork

Peshawar, Pk
04/2023 - Present

Upwork is a leading online platform that connects businesses with independent professionals and agencies, offering a wide range of services including development, design, writing, and more.

- Specializing in AI-driven web development on Upwork, I've built two innovative platforms: "Niche Navigator" and "Truck Part Finder." "Niche Navigator" utilizes advanced algorithms to identify niche markets, aiding businesses in strategic decision-making. Meanwhile, "Truck Part Finder" employs web crawlers to gather data from five distinct sources, providing users with comprehensive search results including downloadable images and text, revolutionizing the trucking industry's spare parts procurement process.

Python Trainer
Robotics Worlds

Abbotabad,Pk
07/2023 - 09/2023

Company Description

- I've conducted two batches, each comprising 20 students, in Python Django, a comprehensive web development framework. This course was offered in collaboration with NAVTTC, empowering aspiring developers with practical skills for building dynamic web applications.

SKILLS

Programming Languages:: Python, SciPy, NumPy, Matplotlib, Django, Flask, SQL, Odoo

SKILLS

AI Techniques:: Machine Learning/Deep Learning, Sklearn, TensorFlow, Keras

Computer Vision: OpenCV

Data Analysis: Power bi, Tableau, Matplotlib, Seaborn

Data Engineering: Azure Databrick, Azure Database, Azure Data Factory, Azure Data Lake, Py Spark

Web Scraping: Selenium, Beautiful Soup

Databases: Django ORM, MySQL, ETL, MongoDB, Spark, POSTGRESQL, ORACLE, SQLITE, MARIADB

Development: GIT, PyCharm

Cloud Computing: AWS, GOOGLE CLOUD, AZURE

STRENGTHS

Time management
Prioritizes essential tasks so they are not rushed. Sets deadlines that ensure reaching milestones on time.

Adaptability
I remember that change is not personal and is inevitable. I break my projects into multiple parts so that if something goes wrong, I can quickly fix it.

Accountability
I take ownership of my mistakes. By doing that I learn what I did wrong so that it does not happen again.

LANGUAGES

English (Proficient)

TRAINING / COURSES

Python Certified

Data scientist With Python

PROJECTS

Rafiwriter
01/2023
Usa
http://rafiwriter.pythonanywhere.com/
This is a **SaaS-based website** designed to generate content for users. Customers start with a free trial, receiving **1,000 words** of generated content. After trying the service and if they find it valuable, they can subscribe to a plan, offering **10,000 words** per month or choose an annual package for extended use.
- **Tech used:**
  Front end: HTML, CSS, JavaScript, Bootstrap
- **Back end:** Python, Django
- **Database:** PostgreSQL

The Examiner
Date period
Peshawar, Pakistan
https://theexaminer.pythonanywhere.com/ResultLists/
This project features a web application where users can upload their CNIC (Computerized National Identity Card) to generate results based on their information. The system processes the uploaded data, retrieves results, and allows users to download the results in PDF format. It utilizes Django for the backend and supports data handling in Excel.
Tech used:
- **Front end:** HTML, CSS, JavaScript, Bootstrap
- **Back end:** Python, Django
- **Data Management:** Excel (for data storage and processing)
- **PDF Generation:** Libraries like ReportLab or WeasyPrint (for creating downloadable PDFs)
- **File Handling:** File upload and processing capabilities

PROJECTS

House Price Prediction

http://zameen.pythonanywhere.com/

This project is a **house price prediction tool** developed for a Pakistani client. The model predicts house prices based on key features such as **area, number of rooms, bathrooms**, and other relevant factors. It helps users estimate property values in a reliable and efficient manner

- **Tech used:**
  Front end: HTML, CSS, JavaScript
  Tech used:
  Front end: HTML, CSS, JavaScript
- **Back end:** Python, Flask
- **Machine Learning:** Scikit-learn (for model building and prediction)**Database:** SQLite / PostgreSQL (depending on deployment needs)

Facebook ads Generator

https://fbads.pythonanywhere.com/

This project is a **Facebook Ads generator** that creates visually appealing ads with beautiful icons. It allows users to quickly generate customized Facebook ads to meet their marketing needs, improving both design and ad creation efficiency.
Tech used:
- **Front end:** HTML, CSS, JavaScript, Bootstrap
- **Back end:** Python, Flask
- **Icon Integration:** Font Awesome / custom icon libraries
- **Database:** SQLite / PostgreSQL (depending on deployment needs)

Truck Part Finder

https://truckpricecomparsion.onrender.com/

This is an **AI-based website** that searches 5 different websites for products or truck parts, then automatically generates a detailed description including the **name, price,** and **URL** of the items. The platform simplifies comparison shopping by collecting and summarizing data from multiple sources in one place.
Tech used:
- **Front end:** HTML, CSS, JavaScript, Bootstrap
- **Back end:** Python, Flask
- **Web Scraping:** BeautifulSoup, Scrapy
- **AI Integration:** Natural Language Processing (NLP) for generating descriptions
- **Database:** PostgreSQL / SQLite

Niche Navigator

https://nichenavigators.pythonanywhere.com/

This is an **AI-based website** that uses **Generative AI** to generate niche suggestions based on **affiliate website links**, names, and other relevant data provided by the user. The system leverages advanced algorithms to analyze input data and produce niche ideas tailored to user needs, helping marketers discover new opportunities.
Tech used:
- **Front end:** HTML, CSS, JavaScript, Bootstrap
- **Back end:** Python, Flask
- **Generative AI Integration:** Machine Learning and NLP for niche suggestion generation
- **Database:** PostgreSQL / SQLite

LittleGhostWriter

https://littleghostwriter.pythonanywhere.com/

Little Ghost Writer is a website that utilizes **Generative AI** to produce high-quality content for users. The platform offers a user-friendly interface where individuals can input their ideas or topics, and the AI generates engaging written material tailored to their specifications.
Tech used:
- **Front end:** HTML, CSS, Tailwind, JavaScript, Bootstrap
- **Back end:** Python, Flask
- **Generative AI Integration:** Natural Language Processing (NLP) and Machine Learning for content generation
- **Database:** PostgreSQL / SQLite

PROJECTS

AskPapa

https://askpapa.pythonanywhere.com/
Ask Papa is a question-and-answer website that allows users to seek information and receive detailed responses on various topics. The platform is designed to facilitate knowledge sharing, enabling users to ask questions and get insightful answers quickly.
Tech used:
- **Front end:** HTML, CSS, JavaScript, Bootstrap
- **Back end:** Python, Flask
- **Database:** PostgreSQL / SQLite
- **AI Integration:** Natural Language Processing (NLP) for understanding user queries

ElevateAI

https://writeme.pythonanywhere.com/
Write Me is a content writing website that offers users a platform to generate high-quality written material for various needs, including articles, blogs, and marketing content. The site is user-friendly, allowing individuals to input their requirements and receive tailored content efficiently.
Tech used:
- **Front end:** HTML, CSS, JavaScript, Bootstrap
- **Back end:** Python, Flask
- **Generative AI Integration:** Natural Language Processing (NLP) for content generation
- **Database:** PostgreSQL / SQLite

Optical Marks Recognition

URL
This is an **Optical Marks Recognition (OMR) system** designed to retrieve images from a folder, analyze them, and return total marks along with answers to an API. The system leverages **computer vision** techniques to accurately read marked responses, ensuring efficient and reliable data extraction.
Tech used:
- **Programming Language:** Python
- **Computer Vision Libraries:** OpenCV, NumPy
- **Optical Character Recognition (OCR):** EasyOCR, Tesseract
- **API Integration:** For returning results

Bussiness Chatbot (Fivver Client)

https://chattys.pythonanywhere.com/
Short summary of your work

Spam message Detection Machine learning

URL
This project focuses on developing a **Spam Message Detection** system using **machine learning** techniques. The model is designed to analyze incoming messages and classify them as spam or not spam, enhancing email filtering and improving user experience. The system employs various algorithms to ensure accurate detection and minimize false positives.
Tech used:
- **Programming Language:** Python
- **Libraries:** Scikit-learn (for model building), Pandas (for data manipulation), NumPy (for numerical computations)
- **Data Sources:** Public datasets for training and testing the model

Chatbot using nlp

https://chattys.pythonanywhere.com/
Chattys is a chatbot platform that enables users to interact with an intelligent assistant designed to answer questions, provide recommendations, and engage in conversations. The website aims to enhance user experience through effective and responsive communication, utilizing advanced natural language processing techniques.
Tech used:
- **Front end:** HTML, CSS, JavaScript, Bootstrap
- **Back end:** Python, Flask
- **AI Integration:** Natural Language Processing (NLP) for understanding and generating responses
- **Database:** PostgreSQL / SQLite

PROJECTS

Object Detection using Yolo

URL

This project focuses on **Object Detection** utilizing the **YOLO (You Only Look Once)** algorithm. The system is designed to identify and classify multiple objects within images or video streams in real time. By leveraging the speed and accuracy of the YOLO architecture, this project aims to provide efficient object recognition for various applications, such as surveillance, autonomous driving, and inventory management.

Tech used:

- **Programming Language:** Python
- **Libraries:** OpenCV (for image processing), TensorFlow / PyTorch (for implementing YOLO)
- **Model:** YOLOv3 / YOLOv4 / YOLOv5 (depending on the version used)
- **Frameworks:** Darknet (if using YOLO in its original form)

Python Script Question and Answer

URL

This project consists of a **Python script** that processes **3,000 questions** sourced from an Excel file. It utilizes the **OpenAI API** to generate answers for each question and then writes the responses back into the Excel file, ensuring a streamlined and automated workflow for handling large datasets.

Tech used:

- **Programming Language:** Python
- **Libraries:** Pandas (for Excel handling), OpenAI (for generating answers)
- **Excel Format:** XLSX / CSV

Pos For LOCAL client

https://salamandsons.pythonanywhere.com/

Salam and Sons is a **Point of Sale (POS)** website designed for local clients, enabling efficient transaction processing and inventory management. The platform facilitates sales operations by providing features for tracking sales, managing customer information, and generating reports, all within a user-friendly interface tailored to meet the specific needs of the business.

Tech used:

- **Front end:** HTML, CSS, JavaScript, Bootstrap
- **Back end:** Python, Flask
- **Database:** PostgreSQL / SQLite
- **Integration:** Payment gateways for secure transactions

Ai Metahuman Chatbot

URL

This project features an **AI Metahuman Chatbot**, designed to provide realistic and engaging interactions using advanced AI technologies. The chatbot leverages metahuman characters to create lifelike avatars, enabling users to experience a more human-like conversation. The system is capable of understanding natural language and generating contextually relevant responses, making it suitable for applications in customer service, entertainment, and education.

Tech used:

- **Programming Language:** Python
- **AI Integration:** Natural Language Processing (NLP) and Machine Learning for conversation understanding
- **Metahuman Framework:** Unreal Engine (for creating and rendering metahuman characters)
- **Chatbot Framework:** Rasa / Dialog flow (for dialogue management)
- **Database:** PostgreSQL / SQLite (for storing user interactions)

Sale Powerbi Dashboard

URL

Here's a description for your **Sales Power BI Dashboard** project:
This project involves the development of a **Sales Power BI Dashboard** designed to provide comprehensive insights into sales performance. The dashboard enables users to visualize key metrics, track sales trends, and analyze customer behavior, facilitating informed decision-making. With interactive visualizations and real-time data updates, the dashboard empowers businesses to optimize their sales strategies.

Tech used:

- **Data Visualization Tool:** Microsoft Power BI
- **Data Sources:** SQL Server, Excel, or other database systems
- **Integration:** Power Query (for data transformation and preparation)
- **Visualizations:** Charts, graphs, tables, and KPIs to represent sales data effectively

KEY ACHIEVEMENTS

What are you most proud of?

I've conducted training for two batches of Python and Django developers.