



Muhammad Umar Shafique

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● ABOUT ME

As a **Python Developer** specializing in **Django**, I excel at building efficient back-end systems that streamline workflows and enhance productivity. My expertise lies in creating dynamic, scalable applications that solve real-world problems through robust, automated solutions. With a deep understanding of Python libraries and frameworks, I develop clean, optimized code that ensures high performance and seamless integration, enabling businesses to automate complex tasks and improve efficiency. My focus is on delivering secure, maintainable, and user-friendly applications that provide lasting value.

● WORK EXPERIENCE

01/11/2023 – CURRENT Lahore

PYTHON DEVELOPER BITLOGICX

- **Craft, implement, and optimize** efficient web scraping solutions using advanced techniques, including element targeting, API integration, and data extraction automation.
- **Collaborate with teams** to develop robust, secure, and scalable applications using Django, ensuring seamless back-end functionality.
- **Create and refine** Python automation tools for diverse tasks, improving efficiency and reducing manual effort across workflow
- **Commit to continuous improvement**, staying updated on best practices in Python and web technologies to deliver optimized, cutting-edge solutions.

01/08/2023 – 01/11/2023 Lahore

SOFTWARE ENGINEER INTERN BITLOGICX

- **Build responsive, user-friendly interfaces** using front-end technologies like React.js, HTML, and CSS, ensuring cross-browser compatibility and device responsiveness.
- **Continuously learn and apply** new technologies, staying updated with the latest developments in full-stack development, to keep applications modern, effective, and competitive.
- **Share updates regularly** to keep everyone aligned and informed.
- **Work with teams** to set and reach shared business goals.

● EDUCATION AND TRAINING

13/09/2020 – 28/06/2024 Lahore, Pakistan

BS COMPUTER ENGINEERING Comsats Univeresity Lahore

● PROJECTS

03/03/2025 – CURRENT

QuranicRise – Next.js & Django-Based Quranic Web App

1. Developed a **Next.js** (React) web app with **Django & PostgreSQL** backend for Quranic content.
2. Integrated **multi-edition Quranic text, translations, and tafsir** with full-text search capabilities.
3. Implemented **verse-by-verse audio playback** with multiple reciters.
4. Added **Hadith collections, prayer times, and Qibla direction** for comprehensive Islamic resources.
5. Optimized performance with **efficient caching, indexing, and API structuring**.
6. Designed a **fully responsive UI** using **Tailwind CSS** for seamless experience across devices.
7. Ensured **scalability and modularity**, allowing future feature expansion.

16/02/2025 – CURRENT

AI Toolkit – Multi-Function AI-Powered Web App

1. Developed a **Flask-based AI toolkit** featuring **image generation, audio transcription, chat assistant, and more.**
2. Integrated **Hugging Face models** for **text generation (Falcon-7b), image captioning (BLIP), and transcription (Whisper-large-v3).**
3. Enabled **real-time AI interactions** with DeepSeek-powered chat assistant.
4. Designed a **user-friendly web interface** for seamless experience.
5. Implemented **advanced AI customization:** adjustable inference steps, guidance scale, and negative prompts.
6. Optimized API requests and model execution for **efficient performance.**

Link https://www.linkedin.com/posts/usebyumar_ai-machinelearning-deeplearning-activity-7299210457289023488-Ma1y?utm_source=share&utm_medium=member_desktop&rcm=ACoAAEUrYxoBysyYTPnPnJGKCXCKVgkwVK6cc-M

10/10/2024 – CURRENT

Mexc Trading Bot

- **Implement trading algorithms and strategies** in the Django back end, ensuring accurate, data-driven decision-making for buy/sell actions based on market trends.
- **Create a responsive and user-friendly interface** that displays live market data, trading insights, and performance metrics, allowing users to easily interact with and monitor the bot.
- **Integrate APIs for real-time data** from cryptocurrency exchanges, ensuring the trading bot has up-to-date information to make accurate trades.

03/05/2024 – 02/08/2024

Webtool Kit

- Designed and implemented multiple web-based tools, including **Image Background Remover, Text to Audio Generator, PDF to Word Converter, Domain Checker, Image to Text Converter, and JSON/XML Converters**, using Python and JavaScript.
- Utilized **Pillow, OpenCV, PyMuPDF, TTS engines, and web scraping libraries** to build high-performance tools that deliver fast and accurate results.
- Developed a **responsive and interactive UI/UX** with a dark-themed design for a modern and intuitive user experience.
- **Collaborate with team members** to align development with project goals, maintaining coherence across tool features and ensuring consistent functionality.

Link <https://scriptro.com/>

06/05/2024 – CURRENT

Web Scraping using Python

- **Design and implement** custom web scraping scripts using Python libraries like BeautifulSoup, Scrapy, and Selenium to extract accurate and relevant data from various websites.
- **Optimize scraping processes** for efficiency, minimizing load times and resource usage to ensure fast, consistent data retrieval without overloading target websites.
- **Develop and manage error-handling mechanisms** to gracefully handle website changes, data inconsistencies, or connectivity issues, improving the reliability of scraping operations.

● COMMUNICATION AND INTERPERSONAL SKILLS

Programming Languages Proficiency(Python, Javascript)

Software Development Frameworks(React js+Next js, Django)

Postgres SQL & MongoDB SQL

Problem-Solving and Debugging

Cloud Computing with AWS & Azure

● HONOURS AND AWARDS

02/08/2024

HTML, CSS, and Javascript (Coursera) – Johns Hopkins University

Link coursera.org/verify/5WKBF4CGO7W8

08/07/2024

Frontend Development using React – Board Infinity

Link <https://coursera.org/verify/IQVAH0F5MBQO>