

Sami Ullah

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Computer Science with excellent problem-solving skills, well-developed emotional intelligence, and eager to research and develop innovative solutions.

Education

OCT 2018 – JUL 2022 University of Management and Technology

Bachelor of Sciences Computer Sciences.

Lahore, Punjab, Pakistan

Work History

FEB 2022 – Present Freelancer (UP Work, Fiverr, Freelancer)

Web Development, C/CPP, Python (AI, ML), Embedded Systems

DEC 2022 – OCT 2023 Software Alliance (Python Developer)

Lahore, Punjab, Pakistan

I work as a Python developer, where my primary role involves maintaining and developing programs. Additionally, I design algorithms and train AI models tailored to specific problem domains.

JAN 2024 – Present Mahr Textiles

Sialkot, Punjab, Pakistan

Certificate

SEP 2023 Google Python Crash Course (Coursera)

<https://coursera.org/verify/EP9A26UVUM6Z>

JAN 2024 Introduction to Artificial Intelligence (AI)

<https://coursera.org/verify/6UG6MQFFF7R4>

Technical Profile

- Python
- CPP/C
- SQL
- ReactJs
- HTML/CSS/JAVASCRIPT
- AI/ML

Software

- Microsoft VS Code
- Microsoft Visual Studio
- Spider
- Google Colab
- Jupiter Notebook

Competencies

- Automation
- Computer Vision (OpenCV, Yolo)
- Data Analyst (Pandas, NumPy, SciPy, scikit-learn, Tensor Flow etc.)
- Text-to-speech
- NLP
- LLM
- Generative AI
- Web Scrapping

Projects

SMART CENTRALIZED AUTHENTICATION SYSTEM (Final Year Project)

Centralized Authentication is an authentication system where the management and control of authentication take place centrally, usually on a central server. Within this framework, users are required to provide their credentials, such as a username and password, to a central authentication server. This server then verifies their identity and determines whether to grant or deny access to the desired resource. This system is built on the pillars of Computer Vision, Machine Learning, and IoT. For its development, I utilized the Raspberry Pi 4. The backend is crafted with Python, while the front uses HTML, JavaScript, and CSS. The database employed for this purpose is Firebase.

AQUAPONICS Embedded System Designs (IoT)

Aquaponics is an integrated production of fish and hydroponic crops with recirculation of the nutrient solution in which fish wastes are used as plant fertilizers equipped with the feature of saving experimental data on the online server through Wi-Fi using Node MCU (ESP32) and Arduino to control the sensors to control the environment.

SMART HOME SYSTEM

The device is placed near the home door and is always connected to the internet via my Wi-Fi router. And you can monitor your home environment and control things by using just an app on your smartphone, called IoT MQTT Panel.

AutoQuiz (WEB)

This is my first industrial project Which is based on Machine Learning (NLP), LLM and frontend by using HTML, JavaScript, and CSS. This system is designed to generate online quizzes of books or any topic.

Links

GitHub: <https://github.com/SamiullahZafar>

Raplit: <https://replit.com/@ehsansumi1>