



## Sayam Muzafar

**Date of birth:** 23/11/2003

**Nationality:** Pakistani

**Gender:** Male

## CONTACT

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**europass**

## ABOUT ME

"I am a dedicated and results-driven programmer with a Bachelor's degree in Artificial Intelligence from the Islamia University of Bahawalpur. With hands-on experience in developing web applications, I have a strong foundation in both front-end and back-end development. My expertise includes developing and maintaining web applications using Django and React, optimizing website performance, and leading cross-functional teams to deliver projects efficiently. I am also proficient in using tools like JIRA, AWS, and Azure. I am eager to leverage my skills in a dynamic environment where I can contribute to innovative projects and continue to grow as a professional in the field of software development and artificial intelligence. I am known for my analytical problem-solving skills, attention to detail, and a passion for learning new technologies. I thrive in collaborative environments and am committed to delivering high-quality work. I am excited about the prospect of joining a forward-thinking team where I can contribute my technical expertise and enthusiasm for continuous improvement."

## EDUCATION AND TRAINING

**01/10/2021 – 10/12/2024** Bahawalpur, Pakistan

**BS(Artifical Intelligence)** islamia univeristy

**Website** <https://www.iub.edu.pk/> | **Level in EQF** EQF level 6

## LANGUAGE SKILLS

**MOTHER TONGUE(S):** Panjabi; Punjabi | Urdu

**Other language(s):**

English

Listening B2

Spoken production B2

Reading B2

Spoken interaction B2

Writing B2

*Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user*

## DIGITAL SKILLS

### Digital Skills - Test Results

Information and data literacy

**ADVANCED** Level 6 / 6

Communication and collaboration

**ADVANCED** Level 6 / 6

Digital content creation

**ADVANCED** Level 6 / 6

Safety

**ADVANCED** Level 6 / 6

Problem solving

**ADVANCED** Level 6 / 6

*Results from [self-assessment](#) based on [The Digital Competence Framework 2.1](#)*

## WORK EXPERIENCE

**02/07/2024 – CURRENT** Houston, United States

**Application developer** Raha Properties and Investments,

**Developed and maintained** web applications using Django and React, ensuring seamless functionality and user-friendly interfaces.

**Collaborated with cross-functional teams** to define project requirements and deliverables, facilitating smooth communication and effective project execution.

**Enhanced website performance** by 30% through optimization of code and database queries, leading to faster load times and improved user experience.

**Led a project** that resulted in a 20% increase in customer retention by implementing features that improved user engagement and satisfaction.

**Proficiently used JIRA** for project management, tracking progress, and resolving issues efficiently.

**Worked with cloud platforms** such as AWS and Azure, managing deployments and maintaining cloud infrastructure to ensure high availability and scalability.

## 11/06/2022 – 18/09/2023 Haroonabad, Pakistan

### Data entry operator Kmsas IT Lab

**Accurately entered and updated data** into MS Excel and the company's CRM system, ensuring all records were current and precise.

**Processed large volumes of data** daily, maintaining high levels of accuracy and meeting quality standards.

**Identified and corrected errors** in data entries, which reduced the error rate by 15%.

**Organized and maintained electronic and paper files**, ensuring all documents were easily accessible for the team.

**Collaborated with team members** to prioritize and complete data entry tasks, meeting tight deadlines and project milestones.

**Generated detailed reports** for various departments to assist in data-driven decision-making processes.

**Maintained the confidentiality** of sensitive information, adhering strictly to data protection policies.

## 12/10/2023 – 29/06/2024 Lahore , Pakistan

### Web programmer Code Crafter

**Developed and maintained** scalable backend systems using Django, ensuring efficient handling of large volumes of data and seamless integration with front-end applications.

**Designed and implemented RESTful APIs** to enable smooth communication between client-side applications and the backend, enhancing overall functionality.

**Managed databases** using Django ORM, creating and optimizing complex queries, designing database schemas, and performing data migrations to support application features.

**Integrated third-party services and APIs** into the application, extending its functionality and providing users with additional features.

**Collaborated closely with front-end developers** to define API requirements and ensure a consistent and intuitive user experience.

**Implemented robust security measures**, including user authentication and authorization, to protect sensitive data and ensure compliance with industry standards.

**Performed thorough code reviews and debugging** to maintain high code quality and optimize performance, leading to a 20% improvement in load times.

**Deployed and maintained** the application on AWS, managing server configurations, monitoring performance, and ensuring high availability and reliability.

## HOBBIES AND INTERESTS

### Reading Technology Blogs

I regularly read blogs and articles on the latest trends in technology, helping me stay informed about industry developments.

### Photography

I enjoy capturing landscapes and urban scenes, which helps me develop a keen eye for detail. Write here the description...

## PROJECTS

### 08/04/2023 – 18/05/2023

#### Personal Portfolio Website

**Role:** Full Stack Developer

**Responsibilities:** Designed and developed a personal portfolio website to showcase my projects, skills, and experience.

**Technologies Used:** HTML, CSS, JavaScript, Django, PostgreSQL

**Description:** Created a responsive personal portfolio website that highlights my work as a developer, including a blog section where I share insights and tutorials. The site features a contact form, project gallery, and integrates with social media profiles.

### 25/05/2023 – 19/06/2023

#### Natural Language Processing (NLP) Chatbot

**Project Title:** Intelligent Customer Support Chatbot

**Role:** AI Engineer

**Technologies Used:** Python, TensorFlow, Keras, NLTK, GPT-3, Flask

**Description:** Developed a sophisticated AI-powered chatbot capable of understanding and responding to customer queries in natural language. The chatbot uses a pre-trained GPT-3 model for generating human-like responses and was integrated with a web interface using Flask. The system can handle various customer support tasks, including answering FAQs, processing orders, and handling complaints.

## 26/06/2023 – 08/07/2023

### Image Captioning with Deep Learning

**Project Title:** Automatic Image Captioning System

**Role:** Machine Learning Engineer

**Technologies Used:** Python, TensorFlow, Keras, CNN, RNN, LSTM, OpenCV

**Description:** Built an AI system that generates descriptive captions for images using a combination of Convolutional Neural Networks (CNNs) and Recurrent Neural Networks (RNNs) with Long Short-Term Memory (LSTM) units. The model was trained on a large dataset of images with corresponding captions and is capable of producing accurate and contextually relevant descriptions for new images.

## 12/07/2023 – 11/08/2023

### AI-Based Recommendation System

**Project Title:** Personalized Recommendation Engine

**Role:** Data Scientist

**Technologies Used:** Python, Scikit-Learn, TensorFlow, Collaborative Filtering, Matrix Factorization

**Description:** Designed and implemented a recommendation system that personalizes content for users based on their preferences and behavior. The system uses collaborative filtering and matrix factorization techniques to suggest products, movies, or articles. The recommendation engine was evaluated using various metrics like RMSE and MAE, showing significant improvements in user engagement and satisfaction.

## 26/08/2023 – 10/09/2023

### AI for Medical Image Analysis

**Project Title:** Deep Learning for Cancer Detection in Medical Images

**Role:** AI Researcher

**Technologies Used:** Python, TensorFlow, Keras, CNN, Transfer Learning, Medical Imaging Datasets (e.g., ChestX-ray8, LIDC-IDRI)

**Description:** Developed a deep learning model to detect cancerous lesions in medical images such as X-rays and CT scans. The project involved using Convolutional Neural Networks (CNNs) and transfer learning with pre-trained models like ResNet and InceptionV3. The model achieved high accuracy in detecting lung cancer and was validated using a large, publicly available medical imaging dataset.

## 14/09/2023 – 18/11/2023

### AI for Facial Recognition and Emotion Detection

**Project Title:** Real-Time Facial Recognition and Emotion Detection

**Role:** AI Engineer

**Technologies Used:** Python, OpenCV, TensorFlow, Keras, CNN, FaceNet

**Description:** Developed a real-time facial recognition system that identifies individuals and detects their emotional states using deep learning techniques. The system was built using FaceNet for face recognition and a custom CNN model for emotion detection. It was integrated with a live camera feed for real-time processing and could classify emotions such as happiness, sadness, anger, and surprise.

## 14/12/2023 – 10/02/2024

### Jira Sheet Integration

**Project Title:** Jira Sheet Integration

**Role:** API Integration

**Technologies Used:** Python, Django, Rest API

**Description:** Developed an integration solution that seamlessly connects Jira with Google Sheets, enabling automated synchronization of Jira issues and project data into Google Sheets. This integration allows users to easily track and manage Jira issues within a familiar spreadsheet interface, facilitating better data analysis and reporting.