# Education

Zohaib Arshad

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[GitHub](https://github.com/zuhaibarshad-786)

[LinkedIn](https://www.linkedin.com/in/zohaib-arshad-786zzz/)

 [Portfolio](https://zuhaibarshad-786.github.io/MyPortfolio/)

**University of Engineering and Technology, Lahore Dec 2022 - Present**

*Bachelor of Science in Computer Science Lahore, Pakistan*

**CGPA: 3.142/4** (Till 6semesters)

# Relevant Coursework

### Artificial Intelligence

* Data Structures and

Algorithms

# Experience

* Computer Vision and Image Processing
* Software Engineering
* Applied Probability and Statistics
* Database Systems
* Graph Theory
* Linear Algebra
* Multivariate Calculus

**Generative Ai** *−* [**View Certificate**](https://credsverse.com/credentials/eb3a3be2-710d-4e4f-b3c7-dd1feb784828) **Nov 2024 - Jan 2025**

*Aspire Official,* ICodeGuru for Module at community Partnership, Silicon Valley Usa. *Remote*

* + Improved expertise in making Ai chatbots with API, s.
	+ Acquired skills in Tokenization, Fine-tuning, Embedding, and reinforcement.
	+ Applied generative Ai techniques to develop a voice-to-voice chatbot system, achieving a precision of 99.24%.

**Data Annotator Islamabad Jan 2025 - Mar 2025**

* Experienced Data Annotator with expertise in image captioning. *Remote*
* Accurately annotated images from Google Sheets for AI model training
* Using the Moon valley Annotations platform, adhering to strict quality guidelines.

#  Selected Academic Projects

**Restaurant Management System** *| Python, VS code, PYQT5-tools |* [Gitlab](https://gitlab.com/data_structures_and_algorathim/dsafinalprojectpid10) **Dec 2023**

* + Collaborating with a team of four to develop a comprehensive Restaurant Management System integrating data structures.
	+ Such as linked lists, queues, trees, sorting algorithms, and graph operations for menu management, review aggregation, employee management, and UI enhancements.

**Hospital Management System** *| .Net Framework, Visual Studio, DBMS |* [GitHub](https://github.com/zuhaibarshad-786/HMS_DataBase_Project) **May 2024**

* Applied SQL queries in our grouped database project for operations such as adding patients, managing medical records, and optimizing data retrieval, ensuring efficient performance and robust functionality.
* Implemented advanced data normalization techniques and schema resizing to ensure compatibility with varying data sizes, enhancing overall database performance and reliability.

**Ecommerce Application** *| Software Engineering, Django, Python, SQLite, Vs code |* [Gitlab](https://gitlab.com/EhsanUllah36/se_project) **Dec 2024**

* Developed an eCommerce system using Django, focusing on seamless user experience and robust backend functionality.
* Implemented features like product catalog management, secure payment integration, and order processing automation to optimize business operations.

**Customer Segmentation for Ecommerce** | *AI, Machine Learning, Python |* [Link](https://www.linkedin.com/posts/zohaib-arshad-786zzz_ai-project-activity-7277938422822957057-kH9X?utm_source=share&utm_medium=member_desktop&rcm=ACoAAEGphvIBcfoZwzOt5yje2dEsJNkRk6UopKI) **Dec 2024**

* Built an AI model to group e-commerce customers using K-Means and Hierarchical Clustering; achieved a silhouette score of 0.72 with clear results.
* Found key customer types like high spenders and deal seekers, helping improve marketing and customer connection.

# Self-Initiated Projects

# Weather App | *Node.js, API |* [GitHub](https://github.com/zuhaibarshad-786/WeatherApp/tree/main) Nov 2024

# Developed a dynamic application using Node.js and integrated a live Weather API to fetch real-time weather data.

# Built a responsive and user-friendly interface to display accurate, location-based weather updates.

# Voice to Voice Chatbot | GenAI, Transformers, Api, Gradio, Groq | [Link](https://huggingface.co/spaces/zohaib51/VoiceToVoiceChatBot)

# Built an interactive voice-based chatbot using Gradio, Transformers, Groq LLM, gTTS, and OpenAI-Whisper for real-time speech-to-speech conversations.

# Focused on seamless voice recognition, generative AI responses, and natural speech output.

# Skills

## Technical Skills

**Languages/Tools**: Python, C#, C++, HTML, CSS, JavaScript, SQL, Microsoft Office **Frameworks/Libraries**: Django, MernStack, React, PHP, Generative AI, NumPy, .NET

**Developer/Design Tools**: Visual Studio, VS Code, Google Colab, SQL Server, Xampp, PBIDesktop, Canva,

## Soft Skills

Leadership, Communication (Written and Verbal), Problem-Solving, Teamwork, Attention to Detail, Time Management

# Interests and Hobbies

* Literature
* Environmental conservation
* Exploring Facts and History
* Art
* Travel

# Certifications and Courses

## Generative AI Internship — [View Certificate](https://credsverse.com/credentials/eb3a3be2-710d-4e4f-b3c7-dd1feb784828)

*Offered By: Pak Angels and Aspire Officials*

## SQL Test — [View Certificate](https://www.hackerrank.com/certificates/1440eb327e4a)

*Offered By: Hacker Rank*

## Pak Life Saver — [View Certificate](https://cpr.gov.pk/csp/certificate/MTQzNTQ1/MQ)

*Offered By: cpr.gov.pk*

## SAAS Cloud Computing Course — [View Certificate](https://drive.google.com/file/d/1B05m5tXGOGhmCXyzTNvYCJKKR7Ocyb7u/view?usp=drivesdk)

*Offered By: Simplilearn*