

Ayeza Bashir

About Me

A recent Master degree holder in Software Engineering who is interested in Artificial Intelligence. My scholarly experience is based on deep learning and computer vision, as it led me to conduct a research project that aims to achieve image understanding using Vision Transformer (ViT) models. I would like to be part of the most innovative AI technologies and use my technology in computer vision and machine learning to solve real-life problems.

Education

• MS Software Engineering (2023-2025)	University of Agriculture, Faisalabad	3.86/4.00
• BS Software Engineering (2018-2022)	University of Sargodha, Sargodha	3.14/4.00
• FSC Pre-Engineering (2016-2018)	Punjab Group of Colleges, Sargodha	838/1100

Technologies and Languages

- Primary: **HTML/CSS, Javascript, Python, ReactJS, Bootstrap, SCSS, REST API, TailwindCSS**
- Secondary: UI/UX Design, JQuery, Wordpress, **Jupyter Notebook**, Adobe Photoshop, Adobe Illustrator, NextJS
- Developer Tools: **VS Code**, Visual Studio, **Git, GitHub, Anaconda**, Chrome DevTools
- Courses: Data Structures and Algorithm, **OOP, Component based SE**, Low Level Design, **High Level Design**

Professional Experience

• Frontend Developer Intern	Interns.PK (Remote, Pakistan)	March 2023 - May 2023
<ul style="list-style-type: none">• Crafted web interfaces using HTML, CSS, and JavaScript, achieving a 50% increase in user retention.• 30% faster loading time resulting in better user engagement and a 40% rise in completion rates, contributing to enhanced learning experiences.• Built and tested application functionality to ensure a desirable user experience across all platforms and 30% uplift in session duration by implementing intuitive and visually appealing design components		
• Javascript Developer Intern	Softileo LTD (On-site, Pakistan)	November 2022 - January 2023
<p>Technical Content Team</p> <ul style="list-style-type: none">• Developed interactive layouts using HTML, CSS and JavaScript to generate an improved user experience and significantly boosted SEO efforts.• Translated complex design requirements into interactive user experiences driving a 110% increase in web traffic.• Implemented animations and interactive elements, leading to a significant 86% increase in user engagement on the website.• Optimized page elements to reduce loading time by 30% and debugged code to ensure cross-browser usability.		

Certificates

eHunar (FullStack Web Development)

February 2023-July 2023

- Developed a **Live Code Editor** using **jQuery**, enabling users to write and execute HTML, CSS, and JavaScript code, enhancing code testing efficiency by **50%**.
 - Completed two practical projects using **PHP**: a weather application with **API integration** that improved real-time data fetching accuracy by **80%**, and a secure diary application that allowed users to store and manage their entries, increasing data management efficiency by **60%**.
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Projects I have worked on

Satellite Image Segmentation (My Masters Research)

- Carried out a deep learning research study on classification of **land use and land cover (LULC)** based on satellite imagery.
- Applied computer vision **deep learning models** on **semantic segmentation** activities as a manner of identifying classes which included agriculture, barren land, built-up areas, roads, water bodies, and trees.
- Large **geospatial datasets** were preprocessed and model performance metrics such as Intersection over Union (IoU) and accuracy were used.

Cryptocurrency-Search (Personal Project)

- Developed an information app on **cryptocurrencies** which has information retrieved by real time data using **Axios** and CoinGecko **API**.
- Presented important information regarding a currency, including price, market capitalization, 24-hour fluctuation and trading volume of many **different currencies**.

Github Link: <https://github.com/ayezabashir/Cryptocurrency-Search>

HalaChat (Freelance Project)

- Developed HalaChat, a **real-time anonymous chat platform** where users can talk to random strangers, inspired by platforms like Omegle.
- Built as a freelance project with complete **frontend implementation**, focusing on real-time interaction, responsiveness, and smooth user experience.
- Integrated random matching logic, chat interface, and basic user flow.

Github Link: <https://github.com/ayezabashir/HalaChat>

GPT-Zero clone (Freelance Project)

- Brought on to create a functional clone of **GPT-Zero**, an application meant to ethically identify the presence of **AI-written content**.
- With an emphasis on clean **UI/UX** and **responsiveness**, it was critical that the tool **resembled GPT-Zero** in its major functions.

Github Link: <https://github.com/ayezabashir/gpt-zero>