

# KINZA AFZAL

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• 0324-2217127

## SUMMARY

5th-semester Computer Science student with experience in frontend development, AI/ML, and open-source projects. Skilled in Python, OpenCV, Streamlit, and web development, with multiple certifications and a strong eagerness to learn emerging technologies.

## WORK EXPERIENCE

### Virtual Frontend Development Intern - MSN Academy Aug 2025 - Present

- Designed and developed a responsive frontend website for MSN Academy during the internship.
- Deployed the website successfully on Vercel: <https://msn-academy-ten.vercel.app/>

### Open Source Contributor - GirlScript Summer of Code (GSSoC) July 2025 - Present

- Selected as a GSSoC Contributor where I contributed to open-source Web and Machine Learning projects, resolving bugs, implementing features, and optimizing codebases.

### Teaching Assistant of Data Structures Present

- Assisting instructor in assignments, quizzes evaluation as well as mentoring students.

## EDUCATION

### Olevels

Happy Palace Group of School (HPGS) | Grades: 8A\*s

Aug 2019 - June 2021

### Alevels

Highbrow College | Grades: 3A\*s 1A

Aug 2021 - June 2023

### Bachelor of Computer Science

FAST NUCES | CGPA: 3.91

Aug 2023 - June 2027

## HONOURS AND AWARDS

- Rector's List of Honours in Fall 2024 and Spring 2025
- Dean's List of Honours in Fall 2023 and Spring 2024

## CERTIFICATIONS

- Deloitte Technology Consulting Virtual Job Simulation
- DataCamp Certificate (Supervised Learning with Scikit-learn)
- Simplilearn Certificate (Introduction to Artificial Intelligence)

## PROJECTS

### • Traffic Control Simulation | C++ & OS Concepts | [GitHub Link](#)

Simulated traffic control at intersections using threads, semaphores, and mutexes for synchronization.

### • Algorithm Visualiser | HTML, CSS, JavaScript, Data Structures | [GitHub Link](#)

Developed an interactive visualization tool for sorting algorithms (Bubble, Merge, Quick, etc.) to aid learning and debugging.

### • Predicting Bug Type from Text | Machine Learning & NLP | [GitHub Link](#)

Developed a Machine Learning & NLP model to predict bug types from text data

### • Face, Smile and Eye Detection | OpenCV | [GitHub Link](#)

Developed a real-time face, eye, and smile detection system using OpenCV Haar cascades and Python, demonstrating computer vision and image processing skills.

### • Gesture Volume Control | OpenCV | [GitHub Link](#)

Implemented a real-time hand gesture-based volume control system using OpenCV, Mediapipe, and Pycaw, enabling intuitive multimedia interaction with Python.

### • Heart Disease Dataset Analysis | Python, Pandas, Matplotlib | [GitHub Link](#)

Performed statistical analysis and visualization on a heart disease dataset using EDA techniques.

### • Sales Data Analysis | Python, NumPy, Seaborn | [GitHub Link](#)

Conducted exploratory data analysis (EDA) on sales data to identify trends, patterns, and insights.

- Currently working on a Pseudocode LLM Checker as part of an experimental project.

## SKILLS

- **Technical Skills:** HTML, CSS ,C, C++, Python, Github, MYSQL, Bash scripting, Assembly, Machine Learning, NLP, OpenCV
- **Languages:** English, Urdu
- **Tools for Project Management:** Jira, SCRUM, Github,Notion

## RELEVANT COURSES

- Object Oriented Programming
- Operating Systems
- Calculus and Analytical Geometry
- Multivariable Calculus
- Probability and Statistics
- Linear Algebra
- DataStructures
- Computer Organization and Assembly language
- Applied Machine Learning

## CO-CURRICULAR ACTIVITIES AND LEADERSHIP ROLES

- Co-Head of Design Team - ACM NUCES 2025-2026
- Guest Relations Lead at ACM AI society 2025-2026
- Head of Design Team - IEEE Society
- Star Performer - Seminar Team, Developers Day'25
- Coordinator, Automation Team - Developers Day 2025
- Guest Relations coordinator, Developers Day 2025

## HOBBIES

- Table tennis, Painting, Writing, Chess