

ZARTAJ ASIM

She/Her

OBJECTIVE:

An enthusiastic Computer Science student seeking an internship opportunity that will allow me to utilize my extensive knowledge of Web Development with strong basis in Data Structures and Object-Oriented Programming. With my experience of working in multiple diverse workplaces I am motivated to work to not only refine my professional skills but also eager to learn Software Engineering paradigms and Machine Learning to further enhance my strong problem-solving skills and to gain hands on experience in an exemplary environment by bringing my skills into practice.

CONTACT

 asimzartaj24@gmail.com

Mobile : +92-302-0095907

Address: Flat No -2 Block –E 1
GIK Institute Campus Topi, Swabi,
Khyber Pakhtunkhwa, Pakistan -
23640

SKILLS

Languages & Tools:

C - C++ - Python - SQL - PHP -
HTML/CSS Bootstrap
Linux - Verilog Xilinx - Oracle -
Creo Parametric - WordPress

Technical Skills:

Databases - Software Engineering –
Data Structures - Operating Systems –
Object Oriented Programming -
Introduction to Artificial Intelligence.

EDUCATION

- **Ghulam Ishaq Khan Institute of Engineering Sciences and Technology (GIKI) 2020 - 2024**
Bachelor of Science in Computer Science
CGPA: 3.02 / 4.00
- **GIK College 2018 - 2020**
Higher Secondary School (FSC)
Grades: A
- **Free-burg Community High School USA**
2017 – 2018 Senior Year as an Exchange Student
Grades: 3.87 / 5.00

Experience

- **Interns Pakistan** Aug 2022 - Sep 2022
Student Internship
Multiple tasks were performed to enhance the following Programming skills. WordPress - jQuery - PHP - Cascading Style Sheets (CSS) and HTML – JavaScript
- **Pak-US Alumni Network (PUAN)**
July 2021 – Sep 2021 Student Internship
Exposure to Python Programming language to implement Data Structures and Algorithms to enhance strong analytical and problem-solving. Good hands-on experience with Git and Bash
- **Association for Computing Machinery, ACM GIKI Chapter.** Nov 2021 - Present
Head of Management
Responsible for managing the ICPC to lead a team of 20+ participants to ensure well organized All-Pak Event and other managements tasks as required.

Professional Skills:

Technical Writing - Ability to work independently as well as a team – Strong Communication skills with an open and flexible Perspective.

Academic Projects:

- **Graph Processing Application**

Designed a graph processing application using Data Structures and GUI to handle large scale dataset. Also used SDL (Standard Display Library) to display over 500,00 nodes in a circular way and find the minimum spanning tree by implementing shortest path algorithms.

- **Web-Based Event Planning Application**

Built a mobile-based one-stop-shop application and a webpage that will include the database for all the vendors and services for wedding services.

Web App: HTML5, CSS3, JavaScript, PHP,
Mobile App: Dart, Flutter, Node.js, SQL

- **Perform PCA on Multispectral Image**

PCA implementation on the multi spectral image with high dimension to develop an understanding of PCA and how it helps in the processing of multidimensional image and its relationship with Linear Algebra-II.

- **Student Library Management System**

Implemented the program by using the concepts of OOP and designed a menu driven program pattern for managing the library system.

Achievements & Certifications

- Introduction to Python, University of Pennsylvania, Coursera
- Introduction to Web Development with HTML, CSS, JavaScript, IBM, Coursera
- HackerRank Certification - SQL Problem Solving (intermediate)
- Director Marketing & Sponsorship at Association for Computing Machinery (ACM) - GIKI Chapter
- General Secretary at American Society of Materials (ASM) - GIKI Chapter
- **Kennedy-Lugar Youth Exchange & Study Program YES (2017-2018)**
- Student of the Month, Youth Exchange and Study Program and World-link USA (2018)
- PAL - NYC Advancing Leadership Workshop (2018), USA