

ZAIN UL ABIDEEN

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Education

National University of Computer and Emerging Sciences

Bachelor of Science in Computer Science

Sep. 2021 – Present

Islamabad, Pakistan

Relevant Coursework

- Data Structures
- Algorithms Analysis
- Operating System
- Database Management
- Statistical Modeling
- Computer Networks
- Discrete Structures
- Linear Algebra
- Probability and statistics
- Assembly Language
- Object Oriented Prog
- Artificial Intelligence

Experience

AIM Lab

June 2023 – August 2023

Full-Stack Developer Internship

Islamabad, Pakistan

- Developed a Dehaze Net—an AI model meticulously crafted to eliminate the fog and amplify image clarity.
- Successfully integrated a machine learning model into a React front-end application using Python.
- Explored ways to visualize and send a daily report of test results to team members.

Teaching Assistant

September 2022 – Present

Evaluator

Islamabad, Pakistan

- As a teaching assistant, I assess assignment submissions and quizzes, providing support to educators as part of my responsibilities.

Projects

Flex Portal | SQL, HTML/CSS, ASP.NET

May 2023

- Developed a Full-Stack Web app, focusing more on designing and implementing a database to manage and schedule university students' academic information.
- System allows the university to manage various aspects of student management, such as enrollment, course registration, scheduling, student performance tracking, access, and managing academic information, while the university would be able to manage its resources and course offerings more effectively.

Academic Resource Portal | React.js, Node.js/express.js, MongoDB, JWT Auth, Black/White-box Testing

October 2020

- Built a full-stack website for students to exchange resources such as lecture notes, study guides, past exam papers, and other educational materials, fostering collaboration and knowledge sharing.
- Used Client-Server architecture, SCRUM Model, MERN-Stack, React Routers, HTML/CSS, axios.js

Implementation of Neural Network | C++, Linux

May 2023

- Developed a multi-core operating system with separate processes for each neural network layer and threads for individual neurons, utilizing semaphores for efficient communication and weight updates during back-propagation.

Cryptocurrency App | React.js, Axios.js

October 2023

- Designed a Cryptocurrency app, which will get data from an API and show the data on the web app.
- Used React states to store data, Axios library to fetch data from the server, and GitHub to host web app

Technical Skills

Languages: Python, Flask, Java, C/C++, HTML/CSS, JavaScript, SQL, Vue.js, React.js, Next.js. MongoDB, MERN

Developer Tools: VS Code, Eclipse, Visual Studio, Pycharm, Jupyter Notebook

Technologies/Frameworks: Linux, Anaconda, GitHub, Shopify

Leadership / Extracurricular

Google Developer Student Club

September 2021 – August 2022

Software Developer

Islamabad, Pakistan

- Developed the "Paw Finder" app, centered around promoting emotional stability and well-being through animal therapy, aligning with the UN's sustainability goals.
- Collaborated with team members using version control systems such as Git to organize modifications and assign tasks.

Microsoft Learn Student Ambassador

October 2022 – August 2023

Software Engineer

National University of Computer and Emerging Sciences

Fast Data Science Society

September 2022 – August 2023

Research Developer

Islamabad, Pakistan

Open Source Work

2021-2022

Hacktoberfest 2021, Hacktoberfest 2022, Google codejam 2022