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Top Skills

Neural Networks
Gradient Descent
Image Classification

Languages

Hindi (Professional Working)
English (Full Professional)
Urdu (Native or Bilingual)
Korean (Limited Working)
Punjabi (Native or Bilingual)

Certifications

Unity Essentials Pathway
IBM AI Developer Professional
Certificate

Honors-Awards

Honor Roll

Muhammad Aleem Azhar

Data-Manager and Administrative Support @ Rhodes College |
Bachelor's of Computer Science
Memphis, Tennessee, United States

Summary

As a Computer Science graduate from Rhodes College, I am passionate about artificial intelligence and data science, with a strong focus on building practical solutions that solve real-world problems. I've worked with machine learning, data analysis, and backend systems, and continue to explore ways to apply data-driven approaches to impactful challenges. I am now seeking full-time opportunities in AI, data science, or software engineering where I can contribute to innovative teams, grow my skills, and take on meaningful work that creates real value.

Experience

Rhodes College

3 years 1 month

RSA: Data-Manager and Administrative Support

January 2023 - Present (2 years 8 months)

Memphis, Tennessee, United States

- Led a cross-functional team to plan and execute campus events, driving a 20% increase in student engagement
- Developed and implemented Python scripts to automate payroll and job listing workflows, enhancing operational efficiency by 30%
- Established a feedback loop system to improve student-employer communication, resulting in a 25% increase in satisfaction.

RHOK-SAT CubeSat Research Project

May 2023 - July 2023 (3 months)

Memphis, Tennessee, United States

During my dedicated internship at the RHOK-SAT CubeSat research project, I was instrumental in various aspects of the project's data processing, visualization, satellite research, and technology development.

Ground Station Operations:

- Utilized specialized software to seamlessly address operational challenges, ensuring effective satellite tracking and communication.
- Managed the ground station antenna to track satellites, leveraging Two-Line Element Sets (TLEs) and Gpredict tools.
- Efficiently processed and decoded satellite data packets.

Local Server Development:

- Initiated and established a local server, purpose-built to capture, manage, and display essential logging data.
- Incorporated Python libraries to ensure seamless data reading, storage, and display functionalities.

Experimental Data Dashboard Creation:

- Designed an advanced HTML/CSS telemetry dashboard offering insightful visualizations of satellite data.
- Employed dynamic elements using Plotly and Dash libraries for real-time access to the local database.
- Introduced customizable timeframes, providing users with versatile data visualization durations.

Satellite Tracking Website:

- Managed the comprehensive design of a user-friendly website catering to both public and private interfaces, enhancing the satellite tracking experience from a holistic standpoint.
- Implemented a secure login section for the private area of the website with Dash in Python.
- Visualized intricate satellite paths and trajectories, utilizing libraries like folium and ephemeris.

This internship solidified my passion and expertise in the realm of CubeSat technology, providing a robust foundation in satellite software solutions and operational management.

Work Study Student at Academic and Learning Resource department
August 2022 - January 2023 (6 months)

Memphis, Tennessee, United States

- Serve as a dedicated member of the Academic & Learning Resources team, focusing on fostering the academic success of all students.
- Support the office's mission by providing comprehensive learning assistance and connecting students with vital campus resources.

- Demonstrate a strong commitment to student success and a drive to facilitate their academic development.
- Recognized as a valuable asset to the team, actively contributing to the creation of a better future for all students.

John Hopkins University

Teaching Assistant – Fundamentals of Computer Science

June 2025 - August 2025 (3 months)

Baltimore, Maryland, United States

Roger Williams University (Bristol, RI) & Loyola Marymount University (Los Angeles, CA)

- Supported the delivery of a rigorous computer science curriculum to academically advanced middle and high school students
- Taught foundational CS concepts including variables, conditionals, loops, functions, recursion, data structures, and debugging
- Assisted students in Python-based programming projects, encouraging clean code, problem-solving, and algorithmic thinking
- Provided individual and group academic support, adapting explanations for students with varying levels of experience
- Collaborated with lead instructors to plan, manage, and adjust daily lesson flow in a high-energy, fast-paced classroom
- Helped foster a positive, inclusive, and intellectually curious classroom culture
- Strengthened skills in technical instruction, public speaking, mentorship, and student engagement
- Developed strong adaptability, teamwork, and time management skills across two sessions and university campuses
- Contributed to student growth by encouraging resilience, critical thinking, and collaborative learning
- Gained practical experience in educational leadership, classroom management, and youth mentorship within a top-tier academic program

Computer Hardware Solutions

System Reseller/Builder

March 2018 - October 2019 (1 year 8 months)

Faisalabad, Punjab, Pakistan

- Specialize as an entrepreneurial computer hardware specialist, sourcing parts from leading online retailers to build high-performance computer systems tailored for businesses and technology enthusiasts.

- Leverage technical expertise to drive business success, marked by significant growth and client satisfaction.
- Deliver exceptional customer service, fostering strong relationships and ensuring a high level of client retention.
- Provide comprehensive support services, including computer maintenance and software assistance, enhancing client success and satisfaction.
- Demonstrate a passion for technology combined with strong business acumen, establishing myself as a valuable asset in the field.

Education

Rhodes College

Bachelor of Science - BS, Computer Science · (August 2022 - May 2026)

Yonsei University

Bachelor's degree, Study Abroad · (August 2024 - December 2024)

Roots IVY International School

Alevels · (2020 - 2022)

First Steps School of Arts & Sciences

Olevels · (2015 - 2020)