MUHIDEEN MUSTAPHA

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EDUCATION

BACHELOR'S DEGREE IN COMPUTER SCIENCE & MATHEMATICS- MAY 2024
LINCOLN UNIVERSITY, PENNSYLVANIA.
GPA - 3.90/4.0

HONORS AND AWARDS
International Scholar Scholarship
President & Dean's List
STEM Robotic Design Runner-up

SKILLS & PROFESSIONAL INTEREST
PROGRAMMING LANGUAGES: C++, CSS, JavaScript, Java, HTML5, Python, Visual Basic, ARM Assembly.
LIBRARIES/DEVELOPER TOOLS : React, Git, VS Code, Tailwind, Rechart   **TOOLS:** MS Office
INTERESTS: Software Development & Engineering, Artificial Intelligence/ Machine Learning, Fintech, Cloud Engineering.
RELEVANT COURSEWORK: Data Structures & Algorithms, OOP, Computer Architecture, Operating Systems, Computer Security, Software Engineering, Calculus 1 & 2, Database Management, Computer Assembly, Computer Networks.
INTERPERSONAL: Team Collaboration, Analytical Skills, Problem Solving, Communication, Innovation, Leadership.

EXPERIENCE

MATHEMATICS TUTOR, LINCOLN UNIVERSITY   **SEPTEMBER 2021 - DECEMBER 2022**
- Provided encouragement and support to keep students motivated and ready to learn.
- Teach students various mathematical concepts, processes, and computations.
- Providing progress reports detailing individual student progress.

TECHNOLOGY EARLY INTERNSHIP PROGRAM, CAPITAL ONE   **JUNE 2022 - AUGUST 2022**
- Developed an enhanced monitoring tool using Relic to overlook services and provide insights into a large vendor based platform
- Implemented NRQL queries to search through the monitored data and developed visualizations and insights that tracked the health of the application.
- Attached an integrated alerts system that allows for the team to receive notifications when a critical threshold is passed allowing for even further application monitoring
- Participated in various workshops ranging from from ML/AI to front-end programming, full stack development, and android application development

HBCU 20 X 20 TECH FORWARD FELLOWSHIP PROGRAM, HBCU 20X20 FOUNDATION   **MARCH 2022 - MAY 2022**
- Selected among 450 applicants to participate in a 8 - week developmental program
- Improved knowledge on programming, explored careers in tech, and undergo professional development

CYBER ASSISTANT, WINNERS CYBER CAFE   **JULY 2018 – JULY 2020**
- Scanned sites for malware and security risks on a daily basis
- Managed quality assurance programs, including on-site evaluations, internal audits,and customer surveys.
- Respond to customers who encounter error messages from accessing sites, emailing, or downloading content.
- Monitored organization's network for security breaches and investigated violations.

PROJECTS

CAPITAL ONE HACKATHON   **JANUARY 2022**
- Designed a web application(BET) that tracks budget and expenses for college students .
- Developed the backend logic for expense handling.
- BET finished in top 3 projects for this hackathon.
- Used Arduino Hardware to provide a physical representation that shows how expenses are spent for users to keep handy and also to provide a better experience to users. Technology Used: JavaScript, React, Node.js, CSS, Arduino, AWS, JavaScript, and C++

NATIONAL PARK SERVICE REDESIGN   **NOVEMBER 2021**
- Developed a web application that allows visitors to search for different parks around the world and lists activities to do at every location by connecting with external APIs. Technology Used: React, HTML, CSS, API

FLIGHT RESERVATION SYSTEM   **DECEMBER 2021**
- Designed a C++ Object Oriented Style program with menus to simulate airlines flight reservation, avoid double booking of seats, display passengers on a flight, and show other details about various airlines.

INVENTORY BIN SIMULATOR   **APRIL 2022**
- Designed a program that simulates inventory bins in a warehouse using C++ classes and data structure (linkedlist) that stores the description and number of parts stored in various bins and also adds / removes parts from specific bins.

EXTRACURRICULAR

HBCU INNOVATION AND LEADERSHIP SYMPOSIUM
- As a participant in this leadership program, I had the opportunity to network with students, learn technical and soft skills, build strong communication, planning, organizational, analytical & quantitative skills required to succeed.

VOLUNTEER WORK
- Provided writing materials and cleaning up elementary schools around.
- Engaged in community outreach to increase cancer awareness within the local area.