

Talha Ali

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EDUCATION

Wayne State University

Bachelor of Science in Computer Science

Detroit, MI

Sept. 2021 – May 2025

EXPERIENCE

S.T.E.A.M Engineer Intern

Code 313

June 2022 – September 2022

Detroit, MI

- I assisted in the development of the computer science curriculum which involved game programming, AR development, app development, and logical/critical thinking.
- Partnered with Microsoft and other tech companies to contribute to events that catered to teaching kids in Detroit. Teaching involved using code to control robots.
- Created coding challenges and other methods to build foundational skills to help the youth.

Python and Swift Coding Instructor

Wayne State Summer Academy

June 2023 – August 2023

Detroit, MI

- I led the instruction in Python and used object-oriented code to fly Tello drones.
- I was involved with developing lessons involving code and robotics for kids from sixth grade to eighth grade.
- Developed leadership skills and qualities working with other instructors and coordinators of the program

PROJECTS

AWS-Club Chat Application | *AWS Amplify, AppSync, Cognito, DynamoDB, JavaScript*

Sept - Oct 2023

- Developed a communication platform for the AWS Cloud Club Board to enhance real-time communication and decision-making during club events.
- Built a secure and scalable chat app using AWS Amplify, AppSync for real-time data sync, and Amazon Cognito for user authentication.
- Built a custom website with data storage in Amazon DynamoDB, following Infrastructure as Code (IaC) principles via AWS CloudFormation as well as front end components such as React.js and Next.js.

Interactive Responsive Portfolio | *React, HTML, CSS, JavaScript, Advanced DOM manipulation*

October 2023

- Responsive design contained in the website design to look pleasing in mobile applications.
- The portfolio includes stunning visual animation, such as slider animations, and automatic text animations.

TECHNICAL SKILLS

Programming Skills: JavaScript, Python, Java, C++, HTML, CSS, React.js, MySQL, Bash, AWS Cloud Service Catalog

Certifications: AWS Cloud Practitioner

Software: GitHub, Microsoft Word, Microsoft Office, Excel, and PowerPoint, AWS Service Catalog

LEADERSHIP AND CERTIFICATIONS

AWS Cloud Practitioner: Proficiency in cloud computing concepts, entire AWS services catalog, and best practices.

Wayne State AWS Cloud Club (Co - Captain): Appointed by Amazon Web Service as the first cloud computing club in Michigan. Led technical aspects including projects, workshops, and lectures for Wayne State's AWS Cloud Club. Collaborated with fellow members to develop and implement cloud-related initiatives.

RELEVANT COURSEWORK

Data Structures and Algorithms, Computer Architecture and Organization, Object-Oriented Programming, Introduction to Database Management Systems, Linear Algebra, Ethics In Computer Science