TANAY JAIMAN

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EDUCATION

Arizona State University, Ira A. Fulton School Of Engineering   Tempe, AZ
B.S in Computer Science   **May 2025**
Honors: Dean's list, NAmU University Scholarship UG(2021-2024)
Coursework: Principles of Programming, OOP Programming, Comp Org/Assembly Lang Prog, Data Structures and Algorithms, Intro to Software Engineering, Information Assurance/Cybersecurity 1, Operating Systems, Computer Networks, Intro to Theoretical Comp. Sci., Programming Languages II, Computing Ethics, Web Development, Innovation in Engineering

ACADEMIC PROJECTS

Mesa Museum Exhibit (ASU EPICS), *HTML, CSS, JS, React, JSX,*   **10/2023-Present**
- Collaborated on team of 6 to develop a web application for the Mesa Historical Museum to help them exhibit their content on interactive touch screens to showcase their archived and rich history of Mesa
- Strict ADA compliance is maintained showcasing attention to user need details as ~65% audience is over 60 years old
- Added interactive elements like games & trivia aimed towards attracting the younger population to the museum in turn increasing the museums visitor count

EffortLogger (Intro to Software Development), *Java JavaFX JUnit Astah Eclipse SQL*   **07/2023-10/2024**
- Collaborated on a team of 5 to create a Java application that logs the effort estimation of several users in an excel sheet for a number of Planning Poker rounds
- Utilized modern hashing methods to encrypt passwords for user authentication and established a database as well

Audible Maps (ASU EPICS), *Flutter Google Maps API*   **Fall 2023**
- Led a team of 7 individuals in the successful development of a working proof of concept for "Audible Maps," an innovative project designed to provide real-time directional assistance for the visually impaired population on campus
- Utilized GPS technology and integrated Google Maps API to offer accurate and accessible navigation

Password Manager, *Python Tkinter pandas*   **Fall 2022**
- Creates strong passwords and manages them by saving the data locally and encrypting it using salting & AES

Web Server, *intel x86_64*   **Spring 2022**
- A short and concise x86_64 assembly program that binds itself to a socket and listens on that socket indefinitely for any HTTP requests and responds with the appropriate response code using syscalls

WORK EXPERIENCE

Event Assistant, *ASU Sun Devil Athletics*   **08/2023 - Present**
- Responsibilities include working closely with the various event spaces management and security to ensure smooth functioning of various sporting events at ASU stadiums.
- Additionally responsible for providing technical support, crowd management, resolving ticketing/seating conflicts
- Demonstrated strong work ethic and competence by working in a stressful fast-paced environment while following regulations and protocols and escalating situations appropriately

Campus Tour Guide, *ASU Students and Admissions Relations Team*   **07/2023 - 08/2023**
- Worked with a team of over 10 employees in providing comprehensive campus tours to prospective students and their families
- Demonstrated extensive knowledge of the Tempe campus and utilized strong oratory and presentation skills to engage and inform visitors
- Assumed additional responsibilities including salesforce, handling phone inquiries, and effectively directing tasks to ensure smooth operations
- Included surveying many prospective students and their parents about their various needs and how to better guide them
- in their college-search journey

Teaching Assistant(ASU 101-CSE), *Ira A. Fulton Schools Of Engineering, ASU*   **08/2022 - 05/2023**
- Responsibilities included assisting professors manage the coursework, proctor exams, and grade assignments
- Additional responsibilities included holding office hours twice a week. Students who showed up in office hours were not only less likely to not turn in assignments but also performed better in the course overall
- Responsibilities also included answering any general queries on the class forums or discussion places and hold review sessions which demonstrates extensive knowledge of the subject

TECHNICAL SKILLS

Programming Languages: Python, Java, C, C++, Scheme, x86_64 assembly, ARM assembly, Bash, JavaFx, SQL, JavaScript, MATLAB
Web Technologies/Frameworks: HTML, CSS, Django, Bootstrap, Node.js, Express.js, React.js, Flask, EJS
Tools & Software: Jira, Astah, Junit, Wireshark, Interactive Disassembler(IDA), MS Office Suite, Github, Google Suite, gdb
OS: Windows, Linux, MacOS, Android, IOS
Certifications: Microsoft Azure AI Fundamentals