Anbar Saleem

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EDUCATION

New Jersey Institute of Technology, Newark, NJ - *B.S. in Computer Science* May 2025
- Albert Dorman Honors Scholar (GPA: 3.85)
- **Coursework:** Data Structures, Databases, Linear Algebra, Operating Systems, Linux Programming, Data Science, Computer Architecture

SKILLS AND TECHNOLOGIES

Proficient Technologies

Java Python JS React Express TS C# C++ Git Unity Ionic Tailwind HTML Markdown

Knowledgeable Technologies

Bash Assembly(x86) VueJS iOS SQL CSS Bulma Pandas BeautifulSoup Selenium

EXPERIENCE & LEADERSHIP

Computer Science Tutor - **Association for Computing Machinery, NJIT** 8/2023 - 12/2023
- Conducted weekly 6-hour virtual and in-person tutoring sessions, supporting students in 1st to 3rd Year level CS courses.
- Mentored 70+ students throughout the semester, offering support in exam preparation, assignment completion, and reinforcing fundamental CS concepts in languages such as **Python**, **C++**, **Java**, **SQL**, and more

Software Development Intern - **Colgate Palmolive** 1/2023 - 8/2023
- Developed and maintained Hill's Pet Nutrition customer-facing site, utilizing **ReactJS** and managing dependencies with **Yarn**
- Led initiatives to optimize the translation process for site's profile hub, ensuring seamless localization for 80+ locales worldwide
- Ensured efficient workflow and timely delivery of project milestones through following **Agile Scrum methodology** with **Jira**
- Demonstrated ability to learn new technologies and programming languages quickly while maintaining a strong attention to detail

Project Lead - **Scenotate, NJIT Interactive Cross-Reality Lab** 5/2022 - 8/2022
- Managed design and development of a **Unity** application for generating annotated VR scenes of Roman shrines, utilizing CSV file integration to efficiently label and organize various features and artifacts within the virtual environment for education purposes
- Enhanced project adaptability for future lab students by implementing CSV reading functionality and dynamically translating the read information into **C#** objects during runtime
- Coordinated user input and interaction with annotation game objects, dynamically toggling text visibility above the user's wrist
- Implemented an automated system for conversion of 100+ panoramic images into applicable skybox materials upon application loading, showcasing proficiency in **C#**

Student Entrepreneur - **Highlander Foundry, NJIT VentureLink** 6/2022 - 8/2022
- Selected among 8 participants for an exclusive 8-week program, actively engaging in workshops and private evaluations to hone entrepreneurship skills, including marketing, customer persona development, outreach, and investor pitching.
- Presented startup product proposal and elevator pitch to high-profile executives and investors during the program's culminating showcase, emphasizing its potential value and impact

Research Fellow - **Undergraduate Research and Innovation (URI) Program, NJIT** 5/2022 - 7/2022
- Presented a compelling capstone at NJIT's Summer Research Symposium to an audience of 150+ students and professors, concluding a 10-week research and prototyping period
- Engaged in immersive workshops led by NJIT Honors College professors, exploring advanced research methodologies and ethical frameworks, acquiring the skills to navigate intricate projects with precision and integrity

Volunteer Mentor - **eSTEM Challenge, Newark, NJ** 12/2021 - 5/2022
- Guided 20 elementary school students in conceptualizing, designing, and prototyping a wind-powered vehicle, fostering early hands-on engineering experience and promoting awareness of renewable energy resources

PERSONAL PROJECTS

Crush It! - Task Management Application 9/2023 - 12/2023
- Collaboratively engineered a full stack application alongside 4 NJIT CS490 classmates, utilizing the **MERN** stack and **Docker**
- Implemented user authentication, seamless Google Calendar integration, task addition/prioritization, and Pomodoro timers, contributing to a comprehensive task management application enhancing daily productivity

Fitbit-Apple Health Integration App 6/2023 - 9/2023
- Designed and developed a robust, user-friendly full stack **iOS** application, leveraging **ExpressJS** for the backend and **VueJS** with **Ionic** for the frontend, to seamlessly integrate Fitbit exercise data requested from Fitbit's API with Apple HealthKit API
- Enabled one-click synchronization and a customizable dashboard with filters, resulting in a streamlined fitness tracking experience

Programming Language Compiler 9/2022 - 12/2023
- Engineered a new simplified programming language in **C++**, implementing a lexical analyzer to recognize tokens from input strings
- Applied Recursive Descent parsing and In-Order tree traversal for effective parsing, interpretation, and execution of statements

AWARDS

NJIT Provost Undergraduate Research Institute Fellowship, NJIT Honors Summer Research Institute Fellowship, NJIT Dean's List, The Khawaja Foundation Scholarship, National Honor Society, National AP Scholar