
EDUCATION

Arizona State University, Tempe
Bachelors of Science in Computer Science

Expected graduation date Dec 2024

Coursework

Data Structures and Algorithms, Principles of Mobile App Development, Intro to Software Engineering, Information Assurance, Principles of Programming Language, Database Management, Operating Systems, Intro Theoretical Computer Science

SKILLS

Languages – Java, C, C++, MATLAB, Python, Swift

Web Technologies- HTML, CSS, JavaScript, ReactJS, MERN, Django

Tools & Database – Git, Spring Boot, Firebase, NumPy, MySQL, PostGreSQL

WORK EXPERIENCE

Undergraduate Teaching Assistant

Fall 2022, Fall 2023

- Kickstarting 70+ students' engineering journey on assignments which increases critical thinking
- Solving doubts and challenge problems based on MATLAB along with making quality explanation videos for MATLAB Assignments

Software Developer at Thesis Footwear

Fall 2020, Summer 2021, Summer 2022

- Designed, developed, and deployed a comprehensive inventory management web application using technologies Django framework, JavaScript, and HTML/CSS.
- Implemented real-time inventory tracking features, enabling the company to monitor stock levels accurately and reduce instances of overstocking or stockouts.
- Integrated data analytics tools to generate insightful inventory reports, helping the company make data-driven decisions and reduce carrying costs by 28.32%.

Gold Guide, Arizona State University

January 2023-Present

- Student outreach initiatives to direct and assist students through the virtual orientation process
- Mentor 1000+ incoming students to help them seamlessly transition into college life by demonstrating strong leadership along with identifying and resolving complex challenges

Admission Services

-Arizona State University

- Manage a MySQL database on Hyland with over 2000 data entries everyday
- Developed and maintained data models, schemas, and indexing strategies to ensure data integrity and efficient query processing.
- Collaborated with cross-functional teams to gather requirements, develop database solutions, and provide technical support for application developers and data analysts.

AWARDS & ACHIEVEMENTS

- Soda Code Challenge VII Ranked 1st
- Arizona State University's Dean's List

2021 Spring

Spring 2021, Spring 2023

PROJECTS

- **EffortLogger Project**

A software project developed using the Agile methodology and Scrum framework, utilizing JavaFX to create a task management and time tracking tool for improving team productivity and efficiency.

- **Squash Team iOS App**

An iOS mobile app made for my squash team to host tournament draws, save team roster with ranks and give direction to nearest squash courts with CLGeocoder and NLP SearchQuery using Swift in Xcode.

- **Custom Made 3000 W Electric Motorbike** [Link to video](#)

Built a 72V system electric motorbike running on a 3kW hub motor with 42Ah battery capacity and top speed of 50mph, equipped with regenerative braking using a sine-wave controller, bike also runs on a custom swing arm appended to a custom perimeter frame

- **Home Automation systems using Tasmota and openHab**

Alternative system to high priced commercial options at a cheaper cost while being more effective

- **Dual Axis Solar Tracker**

Mini Scale Solar Tracker which increased Solar Panels efficiency by 30% using two motors in X and Y axis to rotate the panel in direction of maximum sunlight which is made possible by using 4 independent LDRs, won in multiple science exhibitions

- **Talking Plant**

Plant with fitted with 4 different sensors to alarm insufficient raw materials it's receiving to help maximize photosynthesis

- **3lb Battle Bot**

Custom 3D designed battle bot made to withstand heavy damage fitted with a vertical spinner, fought in Sun Devil Robotics' Smackdown

ORGANIZATIONS

President of Squash Club at ASU

- Represented ASU at CSA Nationals in Philadelphia, Led the team at West Coast Squash Round Robin against Stanford, UCLA, Berkely and at Metro Squash in Chicago against prominent East Coast schools
- Train and mentor interested incoming freshman. Spread awareness about the sport on the West Coast