

# GARV MAHESHWARI

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## EDUCATION

- **University of Washington** Sept. 2023 - June 2027  
*Bachelor's of Science, Intended Computer Science*  
**Courses:** CSE Intro Series (Java), Data Structures & Algorithms, Database Systems, Languages & Implementation

## SKILLS SUMMARY

- **Languages/Frameworks:** Java, Dart, SQL, C, OCaml, Flutter
- **Tools:** Git, Azure SQL Database, NoSQL, REST APIs, Firebase Firestore

## PROJECTS

- **Vaccine Appointment Scheduling System:**
  - Developed application that stores caregiver schedules, appointments, and vaccine doses.
  - Programmed in Java using the builder design pattern and Azure SQL Database in the back end for data structures class. **(Java, Azure SQL Database)**
- **Price Match Product Comparison App:**
  - Interviewed a client and designed & developed a full stack web app to their specification, providing price information about products consumers want to purchase at popular online retailers.
  - Programmed in Dart using object-oriented programming concepts, Firebase Auth, and Retail APIs. **(Dart, Flutter, REST APIs, Git)**
- **Skyline National Honors Society Volunteering App:**
  - A full-stack mobile app that tracks National Honor Society members' volunteer hours; implemented in Dart using object-oriented programming, ADTs, Firebase Firestore NoSQL database, and Firebase Auth. **(Dart, Flutter, NoSQL, Git)**
  - Conducted interviews to discuss the problem, design, and core functionality of the mobile app the client desired.

## EXPERIENCE

- **UW Society for Advanced Rocket Propulsion (SARP)** Seattle, WA  
*Avionics Flight Computer Team Engineer* November 2023 - Present
  - Programmed STM-32 peripheral drivers in **C** as part of effort to replace legacy system with an STM-32 microcontroller.
  - Collaborated on power distribution board sub-team to create a power system that can seamlessly switch from ground power to battery backup.
- **UW Design, Build, Fly (DBF)** Seattle, WA  
*Payloads Mission II Project Lead* Oct 2023 - May 2024
  - Managed the Payloads Mission II subteam for the 2023-24 AIAA DBF competition, where our team placed **3rd** internationally.
  - Iteratively designed, prototyped, and manufactured fixtures to secure Mission II cargo.
  - Collaborated with Aerodynamics and Fuselage teams to optimize the payload cargo.
- **Microsoft University Shadowship Program** Seattle, WA  
*Program Mentee* Apr - May 2024
  - Directly engaged with current Senior Software Engineers to gain insight into the software development process and understand industry practices.
  - Shadowed a Senior Software Engineer 1:1, receiving guidance on entering the workplace with knowledge of emerging industry trends.
- **YMCA of Greater Seattle** Sammamish, WA  
*Lifeguard/Diversity Equity and Inclusion (DEI) Committee Member* June 2022 - Sep 2023
  - Collaborated with other lifeguards at the local YMCA to maintain a safe facility for patrons to enjoy.
  - Brainstormed inclusive and accessible events and activities while on the YMCA DEI committee.