

GARV MAHESHWARI

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EDUCATION

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

SKILLS SUMMARY

- **Languages/Frameworks:** Java, Dart, C++, SQL, C, Flutter
- **Tools:** Git, Azure SQL Database, NoSQL, REST APIs, Firebase Firestore & Auth., Linux

EXPERIENCE

- **Washington Alliance for Better Schools (WABS)** Shoreline, WA
Data Intern July - Sept. 2025
 - Built scalable volunteer sign-up platform connecting **2700+** students with **320+** industry mentors annually. Reduced schools without volunteers by **67%** within 3 weeks of deployment.
 - Developed JavaScript automation using Google AppsScript to streamline data post-processing workflows and integrated platform with WABS' website, saving **\$500** annually. **(JavaScript)**
 - Independently developed using agile methods, produced comprehensive maintenance documentation and leveraged WABS' existing tools (Firespring, Google Sheets).
- **Expedia Group** Seattle, WA
Career Discovery Program Mentee July - Oct. 2025
 - Mentored by a Technical Program Manager 1:1 to develop understanding of software development engineer roles, explore technical career paths, and build career readiness skills.
- **UW Society for Advanced Rocket Propulsion (SARP)** Seattle, WA
Avionics Flight Computer Team Engineer November 2023 - July 2025
 - Programmed Flexible Memory Controller peripheral driver for STM-32 microcontroller in **C** to interface with external SDRAM 128MB.
 - 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 payload cargo.
- **Microsoft Shadowship Program** Seattle, WA
Program Mentee Apr - May 2024
 - Shadowed a Senior Software Engineer 1:1, receiving guidance on entering the workplace with knowledge of software development process and emerging industry trends.

PROJECTS

- **Vaccine Appointment Scheduling System:**
 - Developed a Java application using Builder Design pattern and Azure SQL Database to manage caregiver schedules, appointments and vaccine doses. **(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.