

# Harish Chaurasia

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## EDUCATION

**Arizona State University**, Tempe, AZ

Bachelor of Science in *Computer Science*, Dean's List (Spring 2022)

Certificate in *Game Development* | Minor in *Popular Music*

## TECHNICAL SKILL

**Programming:** Swift, Java, Python, C, C++, C#, HTML, CSS, Bash

**Database:** SQL, MySQL, Firebase, PostgreSQL

**Tools and Technologies:** AWS, Git, GitHub, Jira, NumPy, Pandas, Matplotlib, Smartsheet, XCode, Android Studio, Unity

## EXPERIENCES

**Laboratory for Energy and Power Solutions, Arizona State University, Tempe, AZ**

Jan 2023 - Present

Developer, Researcher & Workforce Dev Specialist

- Enhanced course curriculum, utilizing a variety of research tools to curate content that not only enriched the learning experience but also reduced the total development time by approximately 20%.
- Facilitated workforce development by designing coursework that significantly alleviated the team's workload by approximately 30%. This innovative approach not only improved efficiency but also paved the way for higher-quality Power Grid training materials.
- Pioneered the development and execution of innovative Unity packages, utilizing cutting-edge AR and VR technologies, to craft immersive 2D and 3D training modules for Military Resiliency in Microgrids and Electric Subsystems. These modules focused on Microgrid and Electrical subsystems, enhancing training efficacy and engagement.
- Engaged in Microgrid Training activities, playing a pivotal role in Content Development and seamless integration of Microgrid hardware components. Collaborated across teams to ensure the holistic development of effective training materials.

**Engineering Projects in Community Service at ASU, Arizona State University, Tempe, AZ**

Aug 2022 - Dec 2022

Arduino and Software Lead

- Spearheaded software and hardware innovation to provide electricity access to the Navajo community in Shonto, Arizona by integrating cost-effective Arduino microcontrollers and advanced sensors, resulting in a remarkable 15% reduction in overall investment costs for the project while also ensuring optimal performance.
- Led the development of a robust and resource-efficient Equipment Storage Frame by introducing a meticulously designed model, leading to an impressive 10% reduction in resource consumption while ensuring enhanced durability.
- Orchestrated solutions to address critical electricity shortages within the Navajo Communities of Shonto, Arizona, leveraging cutting-edge technologies and sustainable approaches.

## PROJECT

**Scrumdinger**

- Employed SwiftUI's declarative approach, reducing post-release bug reports by 30% through a more interactive UI.
- Developed a SwiftUI-based Scrum-Meeting Timer iOS App, increasing user engagement by 20% and boosting user satisfaction by 15%.
- Collaborated with the team, improving project delivery timelines by 10% while translating requirements into a successful application.

**Dodge Apocalypse**

- Collaborated with the team, designed Game Levels, and used **C#** Scripts to implement functionalities and effects.
- Presented the game to the class and represented the team at the Final GameJam hosted via Arizona State University on **itch.io**.
- Leveraged **NavMesh** and **C# in Unity** to develop a 3D Open-World Game that won the best game awards in the class with 50 teams.

**DwarfSofts**

- Utilized different systems and features used for Android Development as a part of an online course.
- Developed different Intents, Toasts, Dialogs and Location functionalities using **Android Studio** to test and learn.
- Built and tested a chat application and used Firebase & SQL database to store and process data for login and registration pages.

## LEADERSHIP EXPERIENCES

**Google Developer Students Club (GDSC), Arizona State University, AZ**

Jan 2022 - Present

Industry Outreach and Marketing Officer

- Organized weekly meetings and hosted workshops and Hackathons.
- Represented the club in different events at ASU and developed strategies to enhance membership count by 15%.
- Enhanced the reach of the club to broader audience and organized learning and career mentoring sessions.

**Devils DJing Club, Arizona State University, AZ**

Jan 2022 - Present

Vice-President, Producer, and DJ

- Organized weekly meetings, hosted Music workshops, and DJing and Production sessions.
- Represented the club in different cultural and varsity events at ASU enhanced membership count by 40%.
- Collaborated with different ASU Clubs, Societies, and Student Organizations on different events and get-togethers.