

# Harish Chaurasia

(480)-847-8370 | [harishchaurasia143@gmail.com](mailto:harishchaurasia143@gmail.com) | [linkedin.com/in/harishchaurasia](https://www.linkedin.com/in/harishchaurasia) | [harishchaurasia.com](https://harishchaurasia.com)

## EDUCATION

Arizona State University, Tempe, AZ

**Bachelor in Computer Science**

May 2025

*Minor: Game Development, Pop Music*

**Relevant Coursework:** Data Structures & Algorithms, AI/ML, Database Management, Human Computer Interaction (HCI), UI/UX Design, Software Quality Assurance & Testing, SDLC, Project and Scrum Management, Data Visualization, Object Oriented Programming

## TECHNICAL SKILLS

**Programming Languages:** Java, Python, C++, C#, NodeJS, JavaScript, TypeScript, PHP

**Web & App Frameworks:** ReactJS, NextJS, Angular, VueJS, Django, Flask, React Native, Flutter, ThreeJS, TheatreJS, TailwindCSS

**Database, Tools & Technologies:** Linux, SQL, Firebase, MongoDB, DynamoDB, PostgreSQL, Git, GitHub, REST APIs, Unity, Unreal Engine

## EXPERIENCE

School of Manufacturing Systems and Networks, Arizona State University, Tempe, AZ

Dec 2023 - Current

Software & Game Simulation Developer

- Developed and optimized C++ **algorithms** and **virtual digital twins** and **VR/AR controls** to support immersive, technical training environments enhancing efficiency by 15%.
- Engineered cross-platform game levels using C++ and Unreal Engine for an immersive player experience; integrated real-time feedback mechanisms, resulting in a noticeable increase in active user sessions.
- Collaborated with Los Alamos National Lab to code **virtual simulations** for nuclear material handling, improving efficiency by 30%.

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

Jan 2023 – Oct 2023

AR/VR Developer & Workforce Development Researcher

- Created **interactive coursework** for microgrid training, enhancing technical depth and usability, while also contributing to the **website development** for the laboratory to improve accessibility and resource distribution for training materials.
- Integrated **microgrid hardware simulation** components into training software, ensuring technical accuracy and reliability
- Streamlined content development for Power Grid training, decreasing manual workload by 30% through automated processes.
- Engineered Unity **AR/VR modules** using **ARKit** and **Vuforia**, creating scalable training applications for military microgrid systems.

Engineering Projects in Community Service (EPICS), ASU Tempe

Aug 2023 – Dec 2023

Arduino Software Lead

- Designed and developed an **IoT tool** using **ESP module** to upload battery and solar panel data to the **cloud**, enabling the development team to access and analyze insights.
- Coordinated with stakeholders and the Navajo community in Shonto, Arizona to design and implement sustainable strategies.

## PROJECTS

**SolEstate (Decentralized Web3 Money Lending Platform)**

- Designed and built SolEstate, a **Solana-based** money lending platform that connects borrowers from developing regions with global lenders, enabling hassle-free funding.
- Integrated smart contract-powered lending and repayment mechanisms, ensuring secure, transparent, and trustless transactions using **Python** and **Node.js** and backend with **MongoDB** Database.
- Developed an intuitive and accessible **UI** using **React**, **Next.js**, and **TailwindCSS**, streamlining the lending process, now facilitating 20+ loan transactions across 10+ countries.

**MatchABLE (Inclusive Workforce Matching Platform)**

- Designed and built a web platform that connects individuals with disabilities to inclusive companies, facilitating successful job matches.
- Implemented **AI-powered** resume matching and dynamic accessibility filters to enhance job search efficiency.
- Utilized **Python** for real-time accessibility scoring and integrated a **Node.js** backend with **MongoDB** Database.
- Created an intuitive and user-friendly **UI** using **React**, **NextJS** and **TailwindCSS**, ensuring accessibility and user-friendliness for the AI matching system that is now supported by around 10 recruiters, facilitating a smoother hiring process and allowing for better evaluation.

## LEADERSHIP

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

Jan 2022 - Present

Treasurer, Core Officer

- Increased membership by 15% through strategic outreach and engaging events.
- Represented the club at ASU events, facilitating networking and career mentoring sessions.
- Led weekly meetings, workshops, and hackathons to promote coding skills and knowledge to over 100 students.

Devils DJing Club, Arizona State University, AZ

Jan 2022 - Present

President, Producer, and DJ

- Organized weekly meetings, music workshops, and DJing and Music Production sessions for over 50 students.
- Led the club's presence at cultural and varsity events, building a strong music community.
- Boosted membership by 40% through collaborations with ASU clubs for joint collaborative events.