Harish Chaurasia

(480)-847-8370 | harishchaurasia143@gmail.com | linkedin.com/in/harishchaurasia | harishchaurasia.com

EDUCATION

Arizona State University, Tempe, AZ

Master in Computer Science ***May 2026***

Relevant Coursework: *Machine Learning (ML), Artificial Intelligence (AI) Cloud Computing, Data Visualization, Software Engineering*

Bachelor in Computer Science ***May 2025***

Minor: Game Development, Pop Music

Relevant Coursework: *Data Structures & Algorithms, Object Oriented Programming, Database Management, Human Computer Interaction (HCI), UI/UX Design, QA & Testing, Software Developer Life Cycle, Scrum Management*

TECHNICAL SKILLS

Programming Languages: Java, Python, C++, C#, Node JS, JavaScript, TypeScript, PHP

Frameworks: React, NextJS, Angular, VueJS, Django, Flask, React Native, TailwindCSS, Scikit-learn, PyTorch, Tensorflow

Database, Tools & Technologies: Linux, SQL, AWS, 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 & Games 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 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.

Inclusive Workforce Matching Platform

- Designed and built **MatchABLE**, 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 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.