

Jai Patel

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EDUCATION:

Ira E. Fulton School of Engineering, Arizona State University

May 2026

BSc in Computer Science – Cybersecurity

GPA 4.0/4.0

Relevant Coursework: Data Structures and Algorithms, Operating Systems, Compilers, Machine Learning, Introductory Cybersecurity, Software Engineering, Distributed Software Development, Computer Networks, Assembly Language Programming, Web development, Object Oriented Programming

Minor, Engineering Management

GPA 4.0/4.0

Relevant Coursework: Project Management, Data Handling and Manipulation, Economic Analysis and Evaluation

ACADEMIC PROJECTS

Vietnam Acid Rainwater- Engineering Project in Community Service

January 2024 - May 2024

- Collaborated with a team of mechanical and electrical engineers to develop a functional prototype of a device for measuring the pH of liquids and converting it into raw data.
- Worked on the Arduino and C++ code of data collections and conversion.
- Despite budget constraints, successfully developed the initial prototype for under \$250.

Socket Programming Project (Python in Computer Networks)

August 2024 - Present

- Working on a real-time multiplayer game for **socket programming** project, leveraging low-level network programming techniques to optimize data transmission and reception.
- Utilizing built-in libraries to establish and manage server-client, and client to client communication over UDP socket, Hosting up to n number of games and up to 4 systems per game.

PROFESSIONAL EXPERIENCE

Technical Assistant, Mesa City Center, Media and Immersive Experience

September 2023 – Present

Arizona State University

Tempe, AZ

- Accomplishing a routine **maintenance** to update 200+ systems and address potential technology problems before the Film School Semester Starts. Regularly service projectors, recording studios, Nexis hubs, Avid setups, Blackmagic systems and other critical equipment.
- Managed the configuration, imaging, and maintenance of Linux, Windows, and macOS systems, while maintaining an accurate inventory of all devices in the building in a professional and organized manner.

IT Consultant, LX Space Success, Classroom Support

March 2023 – July 2023

Arizona State University

Tempe, AZ

- Committing to delivering high-quality **technical support**, responding to 5+ active help calls per day and achieving a 95% satisfaction rate in creating optimal learning environments for faculty, students, staff and event stakeholders.
- Configured multiple hosts in a **network**, establishing secure connections for seamless operations.

LEADERSHIP POSITIONS

Vice President and Honorary Vice President

July 2023 – August 2024

Cricket Club at ASU

- Managed a team of 7 members overseeing 400+ active participants; successfully organized and hosted 63 cricket games per semester within a budget of \$300.

TECHNICAL SKILLS

- **Languages:** Python (Pandas, NumPy, Matplotlib), SQL, JAVA, HTML/CSS, C/C++, MATLAB, Arduino, MIPS, ARM, x86, Swift, JavaScript.
- **Competence:** Analytical Skills, Strategic Thinking, Project Management, Data Visualization, Cross-functional Collaboration, statistical and analytical principles, Problem Solving, Stakeholder Management, Cross-Functional Collaboration, Adaptability, Predictive Modeling, Financial Analysis, Efficiency Improvement, Data-Flow analysis.

AWARDS:

Dean's List – Fall 2022, Spring 2023, Fall 2023, Spring 2024

NAMU Scholarship recipient (\$14,500 Annually)