

Kushagra Tandon

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<https://github.com/kush0o7>

EDUCATION

Bachelor of Science in Computer Science.

Arizona State University

GPA: 3.7

-Holder of NAMU Scholarship

August 2022-Present

Tempe, Arizona

TECHNICAL SKILLS

- JAVA, C/C++, C#, SpringBoot, Python, HTML/CSS, MySQL, MATLAB, Ocaml, Scheme and Javascript
- Proficiency with Linux systems, Unity, G-Suit and Office software including Outlook, Excel, Word, and Powerpoint
- Certification in Cybersecurity by ISC2

WORK EXPERIENCE

Research Aide

ASU School Of Earth & Space Exploration

October 2023-Present

Tempe, Arizona

- Collaborated with Dr. Reano and the team for scientific accuracy and cultural relevance of virtual field experience modules
- Incorporated Indigenous knowledge into educational materials, fostering a deep connection
- Developed virtual field experience modules for the NSF-funded WORM Portal project using immersive technology, increasing user engagement by 16%.

Production Associate.

ASU Programming and activities board(PAB)

April 2023-Present

Tempe, Arizona

- Supported and enhanced organization's events and activities
- Enhanced the organization's events and activities, contributing to the planning and execution of over 8 diverse programming events including concerts and workshops.
- Provided crucial technical support for events with advanced audio-visual and lighting setups, reducing setup times by 32% and ensuring smooth event operations.

Software Development Intern

Hindustan Aeronautics Limited

July 2023- August 2023

Lucknow, India

- Immersed in aerospace technology and engineering
- Collaborated on website development with a multidisciplinary team
- Contributed to key projects, gaining practical exposure to aerospace facets
- Developed web solutions using HTML/CSS, JavaScript, and Servlet, which improved website efficiency by 25% and resolved technical challenges, leading to a more dynamic and user-friendly interface.

PROJECT EXPERIENCE

Hospital prescription system

- Developed a user-friendly system for efficient prescription management in healthcare facilities using Python and MySQL, enhancing prescription handling efficiency by 20%.
- Designed for healthcare professionals, with an interface that offers intuitive navigation and accessibility for over 400 staff members.
- Implemented a robust patient records system, managing detailed histories, allergies, and medication information for more than 10,000 patients, coupled with a medication database to minimize prescription errors by 7%.

Facial recognition attendance system

- Created a real-time facial recognition system for educational and corporate environments using deep learning and computer vision techniques.
- Achieved a 50% improvement in attendance processing speed with expertise in Python, TensorFlow, and OpenCV.
- Enhanced identification accuracy, reducing errors by 11% and significantly improving attendance management efficiency
- Ensured user-friendly design, managed databases, prioritized data security, and maintained thorough project documentation for a comprehensive solution

BridgeToAfrica Finance chair, Fulton Schools of Engineering

Arizona State University

August 2022– Dec 2022

Tempe, Arizona

- led an initiative to educate underprivileged children in Africa about contemporary subjects including robotics, cars, and computer science
- Children who couldn't afford these tools were given laptops, internet access, pertinent websites, and knowledgeable tutors
- Oversaw budgets and pitched project ideas to possible backers in my capacity as Finance Chair

Project SPYN (team member), Fulton Schools of Engineering

Arizona State University

August 2022 – Dec 2022

Tempe, Arizona

- Performed technical analysis necessary to interpret building operation and function
- Fostered team collaboration through organizing monthly meetings and acting as a liaison between the faculty member and research group

LEADERSHIP EXPERIENCE

Secretary

TEDx Club, Arizona State University

September 2023- present

Tempe, Arizona

- Ensured efficient club operation, contributing to TEDx event success and club growth
- Meticulously documented meeting minutes for organization and accountability
- Acted as a communication bridge, fostering team alignment and collaboration
- Proficient in logistics management, enhancing event planning and resource allocation

Community Work

- Took part in drives arranged by multiple NGOs in the city
- Created videos and helped in increasing the social media presence of the NGOs to help them spread awareness for the cause

May 2021- December 2021

Lucknow, India