Kevin Shah

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EDUCATION

Ira A. Fulton Schools of Engineering, Arizona State University, Arizona **August 2022 - May 2026**
Bachelors of Science in Engineering, (Robotics Degree) | GPA - 4.00/4.00
N.A.M.U. Scholarship: $14,500 | Dean's List 2022 and 2023
Executive Position: Jain Students' Association, Case Devils, C.I.S. (Coalition of International Students), Startup Village

UNIVERSITY WORK EXPERIENCE:

C.H.A.R.T. LAB (Center for Human, A.I. and Robot Teaming) **April 2023 - Currently Working**
Global Security Initiative | Student Worker

- Employed data processing techniques including data cleaning, tokenization, and data augmentation, to prepare the datasets for the training.
- The project is a part of $3 Million award from the Defense Advanced Research Projects Agency (D.A.R.P.A)

A.S.U. Enterprise Technology **May 2023 - September 2023**
Technology Consultancy | Student Worker

- Supported 36 classrooms and computing sites, ensuring seamless multimedia and computing experience for students.
- Achieved a 92% reduction in technical disruptions in classrooms through proactive maintenance and troubleshooting.
- Managed an average of 200 support cases per month, effectively resolving technical issues and ensuring user satisfaction.

Undergraduate Student Government Polytechnic (U.S.G.P.) **September 2022 - April 2023**
Senate President Pro Tempore | Chair for Appropriations Committee

- Led and Facilitated bi-weekly meetings with 15 senators and led a diverse portfolio of 20+ projects during the semester.
- Managed a budget of $50,000 for Senate and Club operations, ensuring efficient allocation of resources.
- Successfully passed 91% of the proposed resolutions and bills that addressed critical issues affecting ASU Students.

RELEVANT PROJECTS:

Cobot and Dobot Robots **September 2023 – Currently Working**

- Programmed the Dobot to achieve a pick and place rate of 15 objects/minute, optimizing the efficiency of automated handling operations. Proficiently wrote code in Python to control Dobot Movements and interaction with objects.
- Optimizing the end-effector's performance by achieving a 3mm level of accuracy and a 180 degrees range of motion.
- Increased Productivity by automating 15 repetitive tasks resulting in 25% time savings and 10% reduction in errors.

Rigel: A Light in Darkness **August 2022 – December 2022**

- Led a team of 3 members in designing and developing a highly detailed functional 3D Model of an Exosuit by using Solidworks, blender as well as some AI Generated models.
- The Exosuit model incorporated 3 key components, including a propulsion engine, retroreflective panels, and morphology of nanoparticles resulting in a complex and versatile design.
- Presented the Exosuit at the Innovation Showcase at ASU, effectively communicating the technical aspects of the project.

G.C.S.P. Paper: Dyson Sphere **August 2022 – December 2022**

- Conducted in-depth energy calculations for the Dyson Sphere, calculating an estimated energy of 70% of output by absorbing the solar radiations from the Mars atmosphere, dispersing the reflected radiation.
- Achieved an efficiency rating of 2.4% of the Sun's released energy, demonstrating a comprehensive understanding of the technical aspects of the project.
- Showcased the project on G.C.S.P. digication, ASU Innovation Showcase as well as in the GCSP International Network Annual Meeting.

TECHNICAL SKILLS:

Programming Languages: Python, Word Management, HTML, CSS
Databases: MySQL, Excel
Machine Learning: TensorFlow, Natural Language Processing, Scikit-Learn

OTHER UNIVERSITY POSITIONS:

- Library Aide | Fulton Outreach and Recruitment Department | S.T.E.A.M.S. Labs | Global Peer Mentor | Advisory Board