

# Kathan Parag Shah

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## EDUCATION

### ARIZONA STATE UNIVERSITY

Bachelor of Science - Major in Computer Science and Economics

Expected May 2026

GPA: 3.81

## FREELANCE PROJECTS

### Wheel Strategy Options

- Developed a responsive **Next.js** and **TypeScript** web app that processes 570 K+ option contracts to identify high-yield covered-call opportunities for the Wheel strategy.
- Integrated a custom **WheelStrategyOptions API** for real-time market data and built advanced **filtering controls** (yield, price, volume, expiration) to refine trade selection.
- Implemented **user authentication** with saved-search functionality and crafted a mobile-first UI using **Tailwind CSS** for seamless cross-device experience.

### Megashop

- Developed a responsive, multi-page ecommerce frontend using **HTML**, **CSS**, and **vanilla JavaScript**, featuring interactive navigation menus and a mobile-first layout.
- Built dynamic product browsing with **JSON/CSV-driven data loading**, **category filtering**, and **real-time search** via custom modules (product\_loader.js, search.js).
- Implemented client-side **shopping cart** with **localStorage** persistence, **user authentication** flows (auth.js), and enhanced UI interactions for a seamless shopping experience across devices.

## PROFESSIONAL EXPERIENCE

### Information Technology Support Specialist W.P. Carey School of Business

November 2024 – January 2025

- Optimized** IT support processes, **enhancing efficiency** and **user satisfaction**.
- Implemented system-wide improvements using Django and Git**, ensuring **seamless IT infrastructure**.
- Streamlined** troubleshooting, **reducing downtime** and improving **response times**.

### Technology Assistant Sun Devil Athletics

October 2023 – November 2024

- Managed** setup, maintenance, and troubleshooting for 150+ systems, ensuring uninterrupted operations.
- Resolved 95% of technical issues within 24 hours**, **minimizing disruptions** and improving efficiency.
- Led training sessions**, increasing **staff proficiency** and boosting **operational efficiency by 30%**.

### Software Developer Intern Tizzy Cloud Computing Pvt. Ltd.

November 2022 – November 2022

- Enhanced performance** across 10+ projects, improving **application efficiency** by 8%.
- Optimized** resource allocation using **Google Cloud Platform (GCP)**, reducing **project delays** by 15%.
- Collaborated** with stakeholders to **streamline development cycles**, achieving a **10% improvement** in delivery timelines.

### Software Developer Intern MukeSoft IT Consultants

May 2022 – May 2022

- Designed** detailed flowcharts and process diagrams, improving **development workflow** and data accuracy.
- Researched** and integrated **emerging technologies**, enhancing **system performance** by 10%.
- Collaborated** with **cross-functional teams** to develop **scalable solutions** aligned with business needs.

## SKILLS

Programming Languages	Python, Java, JavaScript, TypeScript, SQL, HTML, CSS, C, C#
Machine Learning & AI	TensorFlow, Keras, Scikit-Learn, OpenCV, Natural Language Processing (NLP), Computer Vision
Frameworks & Libraries	React.js, Next.js, Flask, Django, Node.js, Tailwind CSS
Tools & Technologies	Git, REST APIs, Jupyter Notebook, Docker, Google Cloud Platform (GCP), AWS, Raspberry Pi

## ACTIVITIES

**Desk Assistant at University Housing at Arizona State University:** Enhanced safety protocols, actively monitored residential areas, and conducted patrols, reducing incidents by 20% and unauthorized access by 15%, safeguarding over 300 students.

**Program Activator at Changemaker Central at Arizona State University:** Managed a team across seven outreach events, engaging over 100 participants in workshops that encouraged creativity and innovation, positively impacting the student community.

**Quality Testing Lead at Jirani Organization at Arizona State University:** Curated 100+ ebooks into an offline digital library and used Raspberry Pi devices to diagnose campus network issues, demonstrating strong configuration, testing, and troubleshooting.