# HARSHAAN CHAKKAL

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## EDUCATION

**University Of Kansas**                                                 **Expected Graduation: May 2028**

B.S. in Computer Science with Economics concentration                    Cumulative GPA: 4.0/4.0

Minor in Math | Certificate in Data Science

- KU Honors Program
- Dean's List, School of Engineering (2x)

## Technical Skills

**Languages**: Python, Java, JavaScript (React), C++, HTML/CSS, Solidity

**Technologies**: GitHub, Git, FastAPI, Flask, Spring Boot, PostgreSQL, AWS (EC2, S3), Pandas

## Professional Experience

**Software Contacting**                                                   **December 2024 - Present**

- Developed 4 web automation apps using Python, HTML and Selenium, leveraging Chromium browsers and request handling to increase checkout speed by 80% for high-demand products.
- Integrated highly reliable and efficient checkout bot for major e-commerce platforms such as Amazon, Apple, and Canon, processing over $5,000 in transactions for clients.

**Math Tutor**                                                           **January 2024 - July 2024**

- Delivered personalized one-on-one tutoring sessions to 9th and 10th grade students in math subjects, including calculus, algebra, geometry, and trigonometry.
- Assisted 8 high school students with Algebra 1 and Pre-Calculus course test preparation, homework, and effective problem-solving strategies, resulting in improved grades.

## Projects

**CloudProfile** | *Spring Boot, AWS, PostgreSQL, React*                  **August 2025**

- Engineered a profile management system using Spring Boot and React, enabling users to create, view, and manage profiles with cloud-based photo uploads stored on AWS S3.
- Deployed backend APIs to AWS EC2, implemented JWT authentication, and stored profile data in PostgreSQL, achieving 99% API reliability.

**FinSight** | *Python, FastAPI, SQLite, React, Pandas, Gemini*          **May 2025**

- Developed a full stack AI-driven finance dashboard to process and auto-categorize 1000+ transactions per upload from bank statements using FastAPI, Pandas, and React.
- Designed a RESTful API and integrated Gemini's Generative AI to deliver personalized budget summaries and financial insights based on user spending patterns.

**D-PAC** | *JavaScript, React, Node.js, Express.js, Ethers.js, Solidity*  **March 2025**

*Midwest Blockchain Hackathon (20 Hours)*

- Built a full stack decentralized web app for real-time product authenticity verification using Solidity smart contracts on the Ethereum blockchain.
- Replaced centralized databases with blockchain-based validation, improving security by 90%.

## Extracurriculars/Leadership

- **President, Sikh student Association-** Organizing campus-wide events serving free food and beverages to **200+ people** per event, enhancing community engagement.
- **Hackathons-** Participated in 2025 **HackKU (36 hrs)** and **Midwest Block-A-Thon (20 hrs)**.
- **Venture Capital Intern, Venture Starters-** Gained exposure to early-stage startup funding and product development by attending weekly pitch sessions and investor Q&As.