

HARSHAAN CHAKKAL

(913)-638-3459 | harshaanchakkal@gmail.com | [GitHub Profile](#) | [Portfolio Website](#)

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

Full Stack Software Engineer Freelancer

- Developed 5 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.

University of Kansas Department of Mathematics

August 2025 - Present

Calculus Grader

- Accurately grade 100+ undergraduate calculus assignments each week, applying analytical and problem-solving skills to evaluate correctness, clarity, and methodology.
- Provide detailed, constructive feedback to enhance students conceptual understanding and quantitative reasoning while collaborating with faculty to ensure consistent grading standards.

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.