

## EDUCATION &amp; AWARDS

University of Delaware Honors, Newark, DE

B.S. Computer Science &amp; Finance (Concentration: Artificial Intelligence | Minors: Economics, Entrepreneurship)

May 2025

- **Dean's List** All Semesters (GPA - 3.9/4.0), **UD Trustee Scholarship, Siegfried Entrepreneurial Leadership Award**
- **President of Gujarati Samaj of UD**, CS + Social Good Club, Horn Entrepreneurship Ambassador, Grace Hopper 2023
- **Relevant Coursework:** Machine Learning, Computer Vision, Artificial Intelligence, Databases, Automata Theory, Linear Algebra, Algorithms, Intro to Software Engineering, Data Structures, Discrete Math, Data Mining, Corporate Finance, Investments, FinTech

MOT Charter School, Middletown, DE

May 2021

- **Delaware Secretary Of Education Scholar** (GPA - 4.0)
- **Student Body President**, National Business Professionals of America Winner

## WORK EXPERIENCE

J.P. Morgan Chase, Wilmington, DE

June 2024 - August 2024

Software Engineering Summer Analyst

- **Engineered** and deployed a **custom chatbot** using OpenAI's LLM and Python for MRGR team of 50+ model reviewers' daily use
- Spearheaded the migration from on-prem systems to cloud infrastructure by configuring Kubernetes clusters and AWS S3 Storage
- **Optimized** codebase by consolidating 38 **Dockerfiles** into 6 and automating package installation, reducing deployment time 50%

University of Delaware, Newark, DE

February 2024 - December 2024

Infrastructure Teaching Assistant

- **Designed, tested and maintained** Python and Javascript tools that automate onboarding and analytics of 50+ teaching assistants

AmeriHealth Caritas, Newton Square, PA

June 2023 - August 2023

Information Solutions - Enterprise Architecture Summer Internship

- Crafted and deployed an internal TechLab SharePoint site, and crafted solution architecture diagrams in Visio for new processes

The Siegfried Group, Wilmington, DE

November 2021 - May 2023

Financial Planning and Analysis Intern (Part Time)

- Wrote scripts to automate monthly tasks and implemented a data analysis pipeline to develop financial forecast models

Kumon Tutoring Center, Middletown, DE

September 2018 - May 2023

Lead Tutor (Part Time)

- Developed solution books with intuitive examples to mitigate misconceptions, **raising student performance from 60% to 90%**

## PROJECTS &amp; RESEARCH

Lufburrow &amp; Company Inc. (LufCo)

September 2024 - Present

- Collaborated in an Agile Team to build an iOS app in Swift that records low-latency audio, employs machine learning algorithms to classify gunshots, and triggers storage of associated geographic data in Objectbox.

Deloitte Case Competition - Blue Hen Bodega

April 2024

- Won **first place** by analyzing case information to choose the best solution to effectively solve problems faced by a local business
- Synthesized business and technology in developing a web application that spearheaded a new digital strategy for the company

HenHacks Hackathon - MathBridge

March 2024

- Created a **React WebApp** with an **imbedded Python compiler** using Typescript, HTML, CSS & Chakra to strengthen K-12 students' performance in mathematical reasoning (<https://devpost.com/software/mathbridge>)

J.P. Morgan Chase - Code for Good

October 2023

- Utilized **Javascript, React, and Next.js** for the **frontend web application development** to automate scheduling for the ACB

DS-AI-Hackathon2023 - Mindset Miners

July 2023

- Implemented robust **data preprocessing** techniques in Python to construct a comprehensive dataset of **25,000 entries**
- Leveraged BERT **natural language processing model** to tokenize + cluster data to recommend mental health apps based on query

HenHacks Hackathon - HAKSafety

April 2023

- Worked in an **Agile** team to develop and deploy an online panic button using **TypeScript, React, HTML, CSS, & Chakra**
- **Won first place** for M&T Bank's Hack, **out of 50** projects (<https://github.com/sakheed/HAKSafetyRevamped>)

Healthy LAIFe, MMIC-IV Data Pipeline Project

December 2022 - April 2023

- **Developed algorithms** to efficiently add new tables into pipeline and added functionality for users to input missing entries

## ADDITIONAL SKILLS

- **Service:**
  - **Coding Girls:** Taught cohorts of 30-35 students programming concepts in Scratch and held hackathons in three cities in Italy
  - **Project Stree:** Facilitated educational workshops for underprivileged women in India & handled offsite fundraising
  - **Girls Tech Together:** Led a 10-week course teaching 40 elementary school students introductory programming in Scratch
  - **Youth Environmental Summit:** Organized statewide environmental conference of 200+ high school students
- **Tech:** Python, Javascript, SQL, Swift, Java, C, React, Typescript, Oracle Database, C++, R, HTML, CSS, Docker, Kubernetes, Sharepoint
- **Presentation:** Experienced in creating visuals in Figma, Canva, Visio, PowerPoint, Tableau, and Flowchart.io
- **Bilingual:** Hindi (ILR Level 5), Gujarati (ILR Level 5), Spanish (ILR Level 2)