

EDUCATION & AWARDS

University of Delaware, Newark, DE

M.S Computer Science

May 2026

- **Coursework:** Artificial Intelligence, Computer Vision, Cloud Computing, Computer Networks II, Globalization, Conflict Resolution

B.S. Computer Science & 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, Honors College**
- **President of Gujarati Samaj of UD**, CS + Social Good Club, Horn Entrepreneurship Ambassador, Grace Hopper 2023
- **Coursework:** Machine Learning, Databases, Automata Theory, Linear Algebra, Algorithms, Intro to Software Engineering, Data Structures, Discrete Math, Data Mining, Corporate Finance I & II, Investments, Fundamentals of 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

PROJECTS & RESEARCH

Lufburrow & Company Inc. (LufCo) - SignalIQ

September 2024 - Present

- Built a Swift iOS app to record low-latency audio & trained a ML model with 2,000 samples to classify gunshots with 95% accuracy
- Engineered real-time collection of five types of sensor data integrated with Realm (MongoDB) storage, and implemented scheduled gRPC transmissions using Protobuf to communicate detections to a remote server.

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)