

# Nabit Karowadia

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## EDUCATION

### University of Houston

*Bachelor of Science in Computer Science, Minor in Business*

Houston, TX

December 2024

## TECHNICAL SKILLS

**Languages:** Python, C++, JavaScript/TypeScript, Java, C#, SQL, HTML/CSS, Bash, R

**Frameworks:** React, Node.js, Spring Boot, .NET, Express, Angular

**Developer Tools:** AWS, Docker, Jenkins, Git, MongoDB, PostgreSQL, Jira, Agile, Linux, Postman

## EXPERIENCE

### Software Engineer Intern

January 2024 – December 2024

*Express Fuel Products*

*Houston, TX*

- Solved fuel price forecasting challenges by building a scalable back-end system analyzing market trends, enabling 20+ clients to predict profit margins with 95% accuracy.
- Eliminated deployment errors by automating CI/CD pipelines, accelerating release cycles by 25%.
- Reduced dashboard latency by 25% via RESTful API optimizations, enabling real-time analytics.

### Software Engineer Intern

May 2023 – August 2023

*Easy Lane Stores*

*Houston, TX*

- Improved sales decision-making by automating Python dashboard for 500+ SKUs, reducing analysis time by 15%.
- Prevented stockouts by optimizing inventory tracking, reducing errors by 30%.
- Improved sales forecasting accuracy through SQL-driven analysis of 10K+ transactions, leading to a 10% revenue increase for the retail division.

### Software Engineering Fellow

July 2024 – September 2024

*Headstarter AI*

*Remote*

- Led end-to-end development of five AI-powered apps, including a customer support tool and pantry tracker, achieving 800+ waitlist sign-ups and \$500 in pre-launch revenue.
- Deployed apps to production using Vercel and GitHub Actions, maintaining 99% uptime and reducing deployment time by 15% through CI/CD optimization.

## PROJECTS

### Investment Portfolio Optimizer Tool | *Python, C++, React.js*

March 2025

- Built a full stack tool using Python for data processing, C++ for optimization algorithms, and React for the user interface.
- Implemented mean-variance optimization and constraint handling algorithms to maximize portfolio returns.

### FlexCloud | *React.js, Tailwind CSS, Node.js, Express.js, MongoDB, Amazon S3*

January 2025

- Built a secure file-sharing platform with JWT authentication, reducing unauthorized access by 40% and boosting collaboration efficiency by 35%.
- Scaled cloud storage with Amazon S3 and MongoDB handling large files efficiently, improving system performance by 50% through optimized REST APIs.

### Mind Journey | *Next.js, Tailwind CSS, React.js, Firebase, OpenAI*

September 2024

- Launched AI mental health platform reaching 300+ users in the first month with personalized Figma-designed resources.
- Reduced user support load by 25% via OpenAI chatbot handling 200+ therapeutic conversations automatically.

## CLUBS AND ORGANIZATIONS

### CougarCS | *Tutoring Officer*

- Engaged in coding workshops, hackathons, and collaborated on projects with fellow members.