

NABIT KAROWADIA

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EDUCATION

University of Houston

Houston, TX

Bachelor of Science, Computer Science,

Expected December 2024

- **GPA:** 3.74
- **Honors & Awards:** NSM Dean's List
- **Relevant Courses:** Data Structures, Algorithms, Operating Systems, Object-Oriented Programming, Networking, Database Management

EXPERIENCE

Express Fuel Products

Houston, TX

Associate Software Developer

January 2024 – Present

- Assist in developing a web application using Node.js, Express, React.js, and MongoDB, enabling over 20 clients to forecast fuel rates with 95% accuracy and assess profit margins.
- Integrate CI/CD pipelines with GitLab CI for automated testing and deployment, resulting in a 30% faster development cycle and reduced manual testing efforts.
- Resolve bugs and optimize code, reducing production incidents by 25% and enhancing application stability and performance.
- Delivered customized features by collaborating with cross-functional teams, improving user satisfaction scores by 15%, and leveraging expertise in requirement analysis and feature development.

Easy Lane Stores

Houston, TX

Software Engineer

May 2022 – August 2023

- Developed data visualization tools using Python and Pandas to analyze sales trends for 500+ products, enabling data-driven decision-making for 3 department heads.
- Executed SQL queries on a database of over 10,000 transactions, leading to a 15% improvement in sales trend analysis and performance metrics reporting.
- Optimized an automated stock-tracking module using Python, reducing manual errors by 30% and streamlining inventory management processes.
- Designed and implemented an API integration to synchronize real-time inventory data across multiple platforms, improving inventory accuracy by 20% through Python and RESTful API development.

University of Houston

Houston, TX

Teaching Assistant

August 2023 – December 2023

- Assisted the professor with teaching 400+ students the fundamentals of programming using Python.
- Taught weekly labs for over 100 students on database related topics such as normalization and concurrency control.
- Led weekly labs for 100+ students, conducting office hours and guiding Python debugging and SQL assignment feedback.

PROJECT EXPERIENCE

Mind Journey

September 2024

- Deployed a mental wellness website using Next.js, Tailwind CSS, and AI, engaging 300+ users in the first month through personalized resources crafted in Figma.
- Integrated an OpenAI API-powered chatbot, facilitating 200+ personalized interactions in the first two weeks, significantly improving user engagement and mental health support.
- Implemented user authentication and data storage with Firebase, ensuring secure access and personalized experiences for 300+ users.

AI-Powered Study Tool

August 2024

- Created a study tool generating personalized flashcards, which supported 100+ users, leading to 200+ hours saved in study time.
- Developed a secure platform using Next.js, Firebase, and Clerk, with over 100 users securely logging in and generating 500+ flashcards.
- Constructed a paid subscription model, attracting 10+ subscribers, with each user managing up to 50 flashcards per session.

TECHNICAL SKILLS

Languages: Python, C++, JavaScript, TypeScript, C#, HTML, CSS, SQL

Frameworks & Libraries: React, Node.js, Next.js, Angular, Spring, Tailwind CSS, REST APIs

Developer & Design Tools: Git, Github, Azure, Docker, Firebase, MongoDB, Jira, Visual Studio