

# Vedant Gohel

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## EDUCATION

### University of Illinois at Urbana-Champaign

Expected Graduation: May 2026

B.S. in **Computer Science & Geographic Information Sciences**

GPA 4.0/ 4.0

- **Courses:** Data Structures, CS Statistics & Probability, Computer Systems, Discrete Structures, Linear Algebra, SWE Lab
- **Leadership & Honors:** Dean's List (2 sem), ACM SIG Math & Algorithms (**SIGMA**), Association of Information Systems (**AIS**)

## SKILLS

**Back-end:** Java, C++, Javascript | **Data Science:** Python, PostgreSQL | **Web Development:** HTML5, CSS, React JS, Next JS, Node JS | **APIs:** OpenAI, Stripe, Gemini API | **Tools:** AWS, Firebase/ Firestore, Android Studio, GitHub, Docker, Vercel, VS Code, GCP, DNS, CI/CD

## EXPERIENCE

### Software Engineering Intern

August 2024- Present

OrgOrg (YC24 Startup, Ex-Google SWE Founder)

Remote

- Participating in **code reviews** and **development cycles**, gaining hands-on experience in collaborative coding environments
- Using **NextJS**, **React**, and **PostgreSQL** for developing and integrating an "**BrewMates**" feature to the OrgOrg suite using **React**, enabling employees to initiate a coffee chat within an organization, enhancing social atmospheres of organizations.
- Contributing to the creation of interactive employee profile pages with integrated badges and contact hierarchies
- Improving team connectivity within teams by creating "**Go Links**" which allow for easy redirection between platforms.

### Software Engineering Fellowship

July 2024- August 2024

Headstarter AI

Remote

- Built and deployed **5 AI projects** using **React JS**, **Next.js**, **Firebase**, **Clerk**, and **Vercel**, with **agile** methods & **CI/CD** practices.
- Developing projects from design to deployment **leading 4+ engineering fellows** using **MVC** patterns, enhancing teamwork.
- Deployed a **SaaS** product that generates dynamic flashcards based on any topic using the **Gemini AI API**, integrated a **paywall** and custom pricing plans using the **Stripe API**.
- Participate in weekly sessions with engineers from **Google**, **Y Combinator**, **Stanford**, **Amazon** and venture-backed startups.

### Beta Testing & AI Prompt Engineer for UIUC College App

June 2024- August 2024

University of Illinois at Urbana Champaign

Urbana, Illinois

- Designed and refined AI prompts to understand the app's capabilities, helped identify **107** query and **33** feedback errors.
- Improving user interaction by **21%** by documenting prompt engineering results and flagging bugs and incorrect responses.
- Performed extensive **testing** and ensured effective **documentation** to ensure high accuracy and reliability of AI responses.

### Course Assistant for UIUC's CS124 (Java)

January 2024- May 2024

University of Illinois at Urbana Champaign

Urbana, Illinois

- Assisted a class of **3800+** students in mastering **Java**, strengthening their grasp of software development with **Java**.
- Conducted office hours to help students that led to a **16% improvement** in overall class performance.

### Private Instructor- Vedant's Tutoring (Self Employed)

June 2023- Present

- Launched a successful **\$8k+** SAT tutoring business, helping students increase their scores by an average of **110+** points.
- Hosted 1:1 and group sessions, **trained** a tutor to expand my business **12%** and complement timings for efficient scheduling.

## PROJECTS

### AI Flashcards SaaS WebApp

- Developed an AI-powered Flashcards SaaS platform using **Next.js** and **React**, enabling users to generate flashcards from phrases via the **Google Gemini AI API**. Implemented **user authentication** with **Clerk**, providing seamless sign-up and login.
- Integrated with **Google Firebase** for real-time updates and database management, allowing users to save, access, and delete flashcards on their dashboard; connecting with Stripe API to enable purchasing of premium and pro service tiers

### Private Tutoring Website -> [vedantstutoring.netlify.app](https://vedantstutoring.netlify.app) | (Login: test, PW: student\_t)

- Designed an accessible user interface website using **React JS**, **HTML5**, and **CSS**, for my **\$8k+** SAT and Math tutoring business
- Included **user authentication** and **Calendly integration** to organize my business, view student progress, access meetings
- Solved the problem of manual communication over session timings, overdue payments, and ability to view SAT progress

### Pantry Tracker with AI Recommended Recipes

- Developed a web application to track pantry items and their quantities using **Next JS**, **ReactJS**, and **Firebase** for data storage.
- Integrating **Google Gemini AI API** to generate **5** recipe recommendations based on available ingredients through **API** calls.
- User-friendly interface for adding, updating, and viewing pantry items; and real-time updates, hosting through **Vercel**.

### Stock High Price Predictor with AI

- Built a predictive model using recurrent neural networks to analyze 12 years of stock price data through **YFinance**
- Achieved **97%** accuracy in forecasting future stock prices; leveraging **Python** libraries such as **NumPy**, **TensorFlow**, & **Keras**.
- Created graphs to visualize data and trends using **Matplotlib** and used **Pandas** to organize data from the past **12** years.