

Paritosh Vaghasiya

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Experience

Co-Director

Oct 2023 – Present

Code211

Schaumburg, IL

- Revived a 5-year dormant Hackathon with a team of 6 within District 211
- Organized a 100-participant Hackathon through District 211 that provided students with an opportunity to win \$14.3k worth of prizes and showcase their talents
- Interviewed 2 new student sponsors, currently mentoring 1 younger student sponsor, and co-created the event website for the second straight year with an increasing Google ranking

Head Web Developer

Dec 2023 – Present

- Created a dynamic informational website to assist participants before and during the hackathon event.
- Optimized the website hosted on GitHub Pages with strong SEO practices to improve ranking.

Web Developer

Jan 2025 – Present

ICEG

Schaumburg, IL

- Built a responsive and user-friendly website for a non-profit organization using Next.js with server-side rendering
- Designed and optimized UI/UX to increase visitor engagement and facilitate community outreach
- Discussed with the founders on their preferences to create a tailored website

Projects

AI Sanskrit-to-Gujarati Translator | Python, Django, Next.js, OpenCV, Tesseract, IndicTrans2

Jan 2025 – Present

- Developed a Django web application to translate scanned Sanskrit text to Gujarati using OCR and NLP models
- Implemented GitHub OAuth to get data from user's repositories
- Enhanced input processing with OpenCV for noise reduction and increased Tesseract OCR accuracy by 15%
- Achieved preliminary translation accuracy of 80-85%, aiming to improve through model fine-tuning

SpendSense | HTML, CSS, JavaScript, Supabase, Bootstrap

Jan 2025 – Present

- Developed a financial management application with CRUD functionality for tracking income, expenses, and more
- Leveraged related tables in PostgreSQL to enhance query flexibility and address the limitations of non-dynamic functionality

Blackjack | Java

April 2024

- Developed a command-line Blackjack game using Java, implementing user input for decision-making with hit/stand logic
- Integrated error handling to ensure seamless gameplay and optimized for low-latency user interaction

Technical Skills

Languages: JavaScript, TypeScript HTML/CSS, Python, Java, Kotlin, Swift

Frameworks: Next.js, React, Django

Database: Firebase, Supabase, MySQL, PostgreSQL

Hosting/SaaS: Github Pages, Cloudflare, Netlify

Libraries: OpenCV, Pandas, NumPy

Awards

BPA State Champion and National Qualifier - Fundamentals of Web Design

Feb 2025

BPA State Medalist and National Qualifier - Website Design Team

Feb 2025

BPA State Medalist - Fundamentals of Web Design

Feb 2024

Education

Schaumburg High School

Schaumburg, IL

Diploma

Aug. 2022 – May 2026