

SHARAD PATEL

New York, NY

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Education

Queens College, CUNY

Sept. 2018 – Dec 2023

Bachelor of Arts in Computer Science

Flushing, NY

- Dean's List - Spring 2020

Work/Volunteer Experience

Software Engineer Intern

June 2024 – Present

The Difference

New York, NY

- Perform duty as a full stack developer for a weight loss app for android and IOS.
- Use Flutter and Laravel framework to enhance efficiency in managing customer data, including weight loss metrics and subscription.
- Work on frontend to add features such as dark mode, edit profile and enhanced UI.
- Work with APIs to search and add different types of food and activities performed to calculate calories burned.
- Work on and maintain CI/CD pipeline for automation

Software Engineer Fellow

Jul 2024 – Present

Headstarter AI

New York, NY

- Participating in an intensive 7-week program focused on building 5 AI-driven projects, including weekend hackathons, resume reviews, and interview preparation.
- Developing expertise in HTML/CSS, React/NextJS/MUI/Firebase, OpenAI, AWS EC2/Lambda, Authentication, Payment, Embeddings, and Vector Databases.

Test Center Coordinator - IELTS

Feb 2019 – Present

IELTS USA - Part Time

New York, NY

- Performed comprehensive administrative duties including test preparation, test closure, and supervision of a team of over 20 staff members and over 50 test takers, while ensuring top-notch customer service.
- Proficiently utilized IELTS softwares to streamline test management processes such as data entry/export and generation.

Projects

Portfolio Website | *React.js, HTML, CSS, JavaScript* | Website | GitHub

May 2024

- Created a fully responsive portfolio website using React.js
- Used UI components and containers
- Used Figma for UI/UX Design

Reminder Management App | *Android Studio, Java* | GitHub

Aug. 2022

- Collaborated effectively within a cohesive team of 5 to conceive and develop an Android application using Java and Android Studio, aimed at enhancing task management through timely reminders.
- Demonstrated proficiency in the back-end by processing user-inputted information to seamlessly create, manage, and remove reminders, ensuring a user-friendly experience.
- Applied fundamental software engineering concepts, including inception and elaboration, to guide the project's development process, ensuring a robust and well-structured application.

Computer Vision Concepts | *Java, C++* | GitHub

May 2023

- Multiple projects with focus on different concepts of Computer Vision.
- Implemented concepts include:
 - * Automatic Threshold Selection: Developed algorithms for precise image segmentation.
 - * Image Enhancement: Implemented techniques for clear and detailed visual analysis.
 - * Image Compression: Designed algorithms for efficient image storage and transmission.
 - * Morphological Operations: Applied operations for noise reduction and object recognition.

Technical Skills

Languages: JavaScript, Java, C++, C, Python, SQL, Lisp, MIPS, HTML, CSS, Dart, Php

Technologies: Android Studio, React.js, Flutter, Node.js, Git, OpenAI, Unix, ITK, AEM, AWS, Matlab, Laravel

Skills: OOP, Data Structures, Android Development, Web development, Software Development, RESTful API, AI

Coursework: Computer Vision, Software Engineering, Database Management, Web Technologies, Machine Learning, Image processing, Post-Quantum Crypto, Data Science