

SHARAD PATEL

New York, NY

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Work Experience

Software Engineer Intern

June 2024 – Sep. 2024

The Difference

New York, NY

- Enhanced efficiency in managing customer data by 20% using Flutter and Laravel for a weight loss app on Android and iOS.
- Developed front-end features such as dark mode and enhanced UI, improving user satisfaction by 30%.
- Worked with APIs to search and add different types of food and activities performed to calculate calories burned.
- Maintained CI/CD pipeline for automation, reducing deployment time by 50%

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, ensuring top-notch customer service.
- Utilized IELTS software to streamline test management processes such as data entry/export and generation, improving efficiency by 25%
- Implemented process improvements that enhanced team productivity and reduced errors by 50%.

Projects

Indian Stock Data WebApp | *Python, ExpressJS, ReactJS, Supabase, Vercel* | Website | GitHub

Sep. 2024

- Designed and implemented a web application following Test-Driven Development (TDD) principles, achieving a 60% reduction in production bugs and ensuring high code quality and reliability.
- Developed and integrated back-end systems using Python for web scraping and stock data aggregation, with data storage in Supabase.
- Developed a security feature for a web application using Python, improving data protection by 25%
- Built a RESTful API with Express.js to efficiently retrieve and serve data to the front-end.
- Created a dynamic and responsive user interface using React.js, with seamless deployment of server and client via Vercel.

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

May 2024

- Developed a fully responsive portfolio website using React.js, ensuring a seamless user experience across devices.
- Implemented a modular architecture with UI components and containers to enhance maintainability and scalability.
- Designed the user interface and experience with Figma, creating visually appealing and intuitive layouts.

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

May 2023

- Developed multiple projects exploring various concepts in Computer Vision, with a focus on innovative algorithm implementation and practical applications.
- Key implementations include:
 - * Automatic Threshold Selection: Designed algorithms for precise and automated image segmentation.
 - * Image Enhancement: Applied techniques to improve clarity and detail for visual analysis.
 - * Image Compression: Created efficient algorithms to optimize image storage and transmission.
 - * Morphological Operations: Utilized operations for noise reduction and accurate object recognition.

Education

Queens College, CUNY

Sept. 2018 – Dec 2023

Bachelor's in Computer Science

Flushing, NY

- * Dean's List

Technical Skills

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

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

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

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