

# SHARAD PATEL

New York, NY

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## Work Experience

### Admin/IT Assistant

May 2023 - Present

*Oxford International Education Group - Part Time*

*New York, NY*

- Efficiently utilize IELTS software systems such as IAM (Identity and Access Management), IWAS (IELTS Web Administration System), and ORS (Operational Reference Store) to perform administrative tasks, ensuring smooth and secure operations.
- Provide technical support to test takers by troubleshooting software, hardware, and system issues, ensuring a seamless testing experience.
- Maintain and optimize computer systems, including installing, configuring, and updating software and hardware essential for IELTS test administration.
- Diagnose and resolve IT issues, including network connectivity problems, system errors, and application failures, to minimize disruptions.
- Train and assist staff members in effectively using new software and hardware, enhancing overall IT proficiency within the organization.

### 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%

## Projects

### Indian Stock Market Data | *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.

### 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, Linux