

# VIRAJ PATEL

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## EDUCATION

### Vellore Institute of Technology

Bachelor Of Technology (Computer Science and Engineering) | CGPA: 9.09/10

Vellore, Tamilnadu  
(August 2020 – Present)

### P.P.Savani International School

Higher Secondary | JEE Mains: 96.07 PR, GSEB: 98.45 PR

Surat, Gujarat  
(June 2018 – March 2020)

### P.P.Savani International School

Secondary School | GSEB: 99.98 PR

Surat, Gujarat  
(June 2017 – March 2018)

## WORK EXPERIENCE

### Software Development Engineer Intern

#### Quarks Systems

Ahmedabad, Gujarat  
(May 2023 – June 2023)

- Engaged in all phases of the **Software Development Life Cycle (SDLC)**, adeptly adopting **Agile Methodology** with a strong commitment to Scrum Sessions.
- Contributed to weekly **Code Reviews**, providing valuable feedback and suggestions for **Code Optimization**.
- Played a crucial role in the **Testing** and **Debugging process**, leading to a remarkable **20% reduction** in software defects and an overall enhancement in the product's quality.

## PROJECTS

### TrueSight – Glasses for The Blind

[\[Source Code\]](#)

- Developed cutting-edge Python-based navigation software using **Python**, **COCO Library**, **SSD Object Detection Algorithm** for visually impaired glasses, empowering blind individuals with advanced object detection and intuitive guidance for confident mobility.

### Sorting Algorithms Visualizer

[\[Source Code\]](#)

- Utilized the **SDL2 Library** to proficiently implement **Fundamental Data Structures** and advanced **Sorting Algorithms** in **C++**, leading to the successful development of a sophisticated **Visualization Tool** for sorting algorithms.

### VIT E-Grievance Portal

[\[Source Code\]](#)

- Created and executed an internet-based system using **PHP**, **HTML**, **CSS** that empowers students at VIT to directly lodge grievances with the hostel office, which expedites prompt and efficient resolution by hostel administrators in response to student input.

### Portfolio Website

[\[Source Code\]](#)

- Designed an impressive portfolio website using **HTML** and **CSS**, blending my enthusiasm for web development with a strong sense of aesthetics. Incorporated interactive features and optimized the user experience to effectively showcase my skills, projects, and accomplishments in a visually appealing and user-friendly manner.

## TECHNICAL SKILLS

Languages:	C++, C, Java, Python
Web Technologies:	HTML, CSS, PHP, JavaScript (Beginner)
Database:	MySQL, Oracle SQL
Tools:	Visual Studio code, GitHub, PyCharm, Eclipse, NetBeans, IntelliJ
Operating System:	Microsoft Windows

## COURSE WORK

- Data Structure and Algorithms
- Object Oriented Programming
- Operating Systems
- Database Management System

## CERTIFICATIONS

- Data Structure and Algorithms ([UC San Diego](#) | [Coursera](#))
- Accelerated Computer Science Fundamentals ([University of Illinois Urbana-Champaign](#) | [Coursera](#))
- Software Engineering Virtual Experience ([J P Morgan Chase & Co.](#))
- Advanced Software Engineering Virtual Experience ([Walmart Tech.](#))

## ACHIEVEMENTS & Co CURRICULAR

- Achieved proficiency in problem-solving by solving over **750+** problems on **LeetCode**, **GeeksForGeeks**, and **CodingNinjas** combined.
- Accomplished a commendable **LeetCode** Contest Rating of **1500+** with a peak rating of **1519**.
- Earned a distinguished **5-star** rating on **HackerRank**.
- Engaged as a **Management Team Member** of **Gujarati Literary Association (GLA)** at VIT since 2021.