

Viren Shah



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[LinkedIn](#)

[GitHub](#)

Objective

A Computer Science enthusiast, looking forward to become a Software Engineer for the purpose of my professional development in the firm utilizing my past knowledge to provide beneficial service to the firm.

Education

Lakehead University, Thunder Bay, ON

Jan 2021 - Aug 2022

Master of Science: Computer Science (3.7 GPA)

- Relevant Coursework: Machine learning, Deep learning, Software Engineering, Computer Vision, NLP, Topics Course in Security Computer Science

Navrachana University, Vadodara, India

Aug 2016 – June 2020

Bachelors of Technology: Computer Science and Engineering (3.69 GPA)

Technical Skills

Languages: Python, Laravel, Java, JavaScript, Web Development (HTML, Bootstrap, CSS), jQuery, PHP, Flask API, SQL, Tailwind CSS, Alpine JS, Node JS, IoT, React, Next JS, Mern Stack

Platforms: Android Studio, WordPress, Postman, Arduino IDE, Visual studio

Work Experience

Jr. Software Engineer: Aecor Digital

[Vadodara, Gujarat, India]

Aug 2020 – March 2021

- Using technologies like Laravel PHP, Laravel Nova along with tailwind CSS, and alpine JS followed by RESTful API for software development.
- Using Laravel Nova, so that if clients have any new product, they can easily upload all the details in it and the front-end will be automatically updated.
- Worked on APIs for having all the functionalities such as comments, payment gateways, real-time responses, and many more.
- Following the software development cycle to attain the required outcomes and maintaining the final software developed.
- With multifarious technologies and strict development environments, the projects accurately worked to attain the desired results with the best UI and even better backend for meeting the client needs.

Website Developer (Freelancer): Sneh Dietitian

[Vadodara, Gujarat, India]

May 2020 – July 2020

- Developed a WordPress-based website according to the client specified features.
- Integrating external plugins into the website for better use and timely maintenance of the website.
- Being a freelance project and with our experience with WordPress the client requirements were met successfully and the project worked well even within the small-time frame.
- <https://eatrightwithsneh.com/>

Website Developer Intern: *The Brands Craftsman*

[Vadodara, Gujarat, India]

Dec 2019 – Jan 2020

- Developing and working on the tasks for website creation.
- Using JavaScript and Ajax for interactive user interface.
- With the help of technologies like WordPress, custom HTML, CSS, and PHP, working on the applications and maintaining the requirements specified by the clients.
- Apart from Html and CSS, WordPress was also used to make a blog type website.

Software Engineer Intern: *Inoxcva*

[Vadodara, Gujarat, India]

May 2019 – July 2019

- Managing and assisting in the process of the application development.
- Utilizing technologies like python and Flask API for application development followed by maintaining the customer requirements.
- Updating the application and providing more user-friendly UI to ease the work for clients.
- Flask being a new technology for me the project had multiple challenges but with learning skills and smart implementation, the projects worked successfully.

Projects

Medibox [August 2022] (*Research paper published with IEEE*)

[GitHub](#)

- Medibox is a versatile project developed with some major functionalities like prescription scanner, Body Mass Index calculator, drug prediction based on the symptoms followed by nearby doctor search and a helpful chatbot completing a whole package for medicinal purposes.
- The project is developed with the help of languages like Flask, CSS, JavaScript, python and ajax augmented with machine learning techniques.
- The machine learning techniques used have attained more than 90% of accuracy for better prediction making the project distinctive and better than the ones developed till date.

Eye for Vision [January 2020]

[GitHub](#)

- Using the coco dataset and model Yolo v3, an algorithm was created to detect the object for the visually impaired person.
- The YOLO model also helped in detecting whether the object is on the left, right, or in the center lane along with the distance. Also, google translate API is used to convert the text into voice feedback which can guide the blind person.

Time-Table Management System [August 2019]

[GitHub](#)

- A website prepared utilizing Asp.net for serving the purpose of timetable management for teachers with some functionalities like timetable management and meeting scheduler.

Smart Waste Segregation System [January 2019]

[GitHub](#)

- The project is implemented in 2 phases. Phase 1 has Arduino Uno and IoT for waste segregation into 3 types dry, wet, and metals.
- Phase 2 used CNN, Keras, and TensorFlow for segregating the previous 3 categories into 6 subcategories. The project succeeded with an accuracy of 90%.

Convo – A Student Forum Application [January 2018]

[GitHub](#)

- A student forum application built using, JavaScript, firebase as the backend, and Android studio as the base platform.
- The application had functionalities like push notifications and data storage for email verification.