

EDUCATION

Lakehead University, Thunder Bay, ON **Jan 2021 – Aug 2022**
MS Computer Science. (3.2 GPA)

- Relevant Coursework: Software Engineering, Deep Learning, Computer Vision, Topics in wireless communication, Topic course in security

Navrachna University, Vadodara, INDIA **Aug 2016 - Jun 2020**
B. Tech Computer Science and Engineering (3.8 GPA)

TECHNICAL SKILLS

- **Languages:** HTML, CSS, Bootstrap, JavaScript, jQuery, PHP, Python, Laravel, Tailwind CSS, React
- **Tools and Platforms:** Advance Excel, Postman, VS Code, Atom, Adobe XD, Flask API
- **Technologies:** RESTful APIs, WordPress, IoT
- **Version Control:** Git, GitHub
- **Database:** MySQL

SKILLS

- Creative, Eye for Detail, Quick learner, Team Player, Presentation skills

EXPERIENCE

AECOR DIGITAL **Aug 2020 – Mar 2021**
Junior Software Engineer

- Contributed to the development of various solutions and projects for the company. Experience with the Laravel8 platform as well as Tailwind CSS.
- Coordinated the development of a number of projects with the team. I have gained experience with Laravel Nova and Livewire and have been able to create custom projects for clients using these tools.
- Supported the front-end team with various design projects using Wireframe models designed in Adobe XD.
- Contributed to the development of a collaborative environment where requirements were discussed with different stack holders in the business as well as the development team as well.
- Worked on various client and product-based projects.
- Developed and conducted unit testing on various APIs for the company using Postman Software.

SNEH DIETICIAN **May 2020 – Jul 2020**
Website Developer (Freelance)

- Developed a website based on the WordPress platform for the client while keeping in mind her requirements and priorities.
- Using the latest features and plugins, the website was completed to the full satisfaction of the customer and was deployed on the internet.
- Website: <https://eatrightwithsneh.com/>

ASKINCITY (AIC) **Feb 2020 – Mar 2020**
WordPress Developer (Intern)

- I acquired a thorough understanding of WordPress and successfully developed a news and blogging website as well as inserted custom HTML and CSS code into the plugins in order to achieve the desired outcome.

ACADEMIC PROJECT

Smart Waste Collector and Segregator

- IoT-based system that opens the lid automatically when a hand movement is detected and maintains a record of the volume for notification to the appropriate authority. A variety of sensors were used, as well as Arduino IDLE, to accomplish this.
- In addition to the model, CNN-based approaches were also evaluated to separate waste into five categories after preprocessing through various steps along with image recognition.

Timetable Scheduler

- Built a web application on the Asp.Net platform for teachers to coordinate their work online. The website was developed from scratch using C#. In addition to timetable scheduling, meeting management, free slot check, and other features, it has many other functions as well.

Eye For Vision

- In conjunction with the Coco dataset and Yolo V3, a model was developed to detect objects on the road for visually

impaired individuals. Besides identifying the lane in which the object is located, it also categorizes it according to several different categories.

- Along with the object recognition feature, a speech module has been incorporated using the Google API.

Medibox

- Implemented a multi-modular platform on Flask for the medical sector. Backend code is written in Python while the frontend is customized from Tailwind's basic template. It contains integration of multiple APIs together to obtain the results.
- Furthermore, the platform features a chat module. In addition, Beautiful Soup is used to scrape web pages in a legal manner.
- Optical character recognition (OCR) is performed on the uploaded prescriptions and the data is stored in a MySQL database. Using the data analyzed, graphs are developed to provide a comprehensive view of the patient's health.
- Accepted research paper for publication in an upcoming workshop.