

RITI VAKIL

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[Portfolio](#)

[Leetcode: riti-v11](#)

Education

Sardar Patel Institute of Technology

Dec 2021 - May 2025

Major: B.Tech Computer Engineering (CGPA-8.8)

S.P. Jain Institute of Management and Research

Jan 2023 - April 2025

Minor: Finance and Management

Relevant Coursework

- Data Structures
- Algorithms
- Operating Systems
- Database Management
- Computer Networks
- OOPs
- Web Development
- Software Testing

Experience

Full Stack Developer Intern

May 2023 - August 2023

Company - Saral Technologies

Remote

- **Developed** a responsive website using HTML, CSS, and JavaScript to ensure **cross-browser compatibility** and **mobile responsiveness** and **implemented efficient back-end processes**, resulting in **improved website speed** and responsiveness.
- **Collaborated** with the design team to enhance the **website's UI/UX**, which resulted in a decrease in **bounce rate** and an increase in **average session duration**.
- **Curated content** to cater to the users' needs, **optimized** content structure, metadata for **server side rendering** and keyword usage to improve the website's **search engine ranking** and visibility.

Skills

Technical Skills: Java, Python, HTML/CSS, JavaScript, MySQL, MongoDB, React.js, Node.js, Express.js, Git

Soft Skills: Time Management, Problem Solving, Verbal and Written Communication, Excellent Networking

Projects

Plant Disease Detection and Cure | *PyTorch, Flask, HTML, CSS*

- Developed a deep learning model by implementing Convolutional Neural Networks (CNN) using PyTorch for disease detection and trained the model on a dataset of plant images to recognize and classify diseases accurately.
- Designed an intuitive and user-friendly front-end interface with HTML and CSS to enhance user experience and provide clear and informative visualizations of the disease detection results, precautionary measures, and suggested cures.

Movie-Reviews Application | *React.js, Node.js, Express.js, MongoDB, PostMan, Docker* — [Link](#)

- Implemented backend functionality to connect and interact with the TMDb API to retrieve relevant data and employed Postman for comprehensive API testing to validate seamless integration.
- Designed database schemas in MongoDB and integrated the database to the application to store movie reviews and login credentials, as well as dockerized the application using Docker to create a portable and consistent environment.

Music Recommendation System | *Python (Pandas, Matplotlib, NLTK)* — [Link](#)

- Created a music recommendation system by leveraging content-based filtering on a dataset, employing text preprocessing techniques like stemmer to tokenize descriptions, and utilizing TF-IDF for feature extraction.
- Implemented user-friendly interaction, allowing users to input preferences, and provided top music recommendations by calculating similarity scores, to optimize user engagement and satisfaction.

Positions of Responsibility

Vice Finance Secretary | *Student Council-Sardar Patel Institute of Technology.*

Sept 2022 – Sept 2023

- **Managed finances** for 15+ college committees and events, oversaw budgeting, expense tracking, played a key role in **financial decision-making** and resource allocation and conducted regular audits to **verify accuracy** and **resolve discrepancies**

Public Relations Head | *Computer Society of India*

Oct 2022 – Sept 2023

- Successfully **publicized events** and collaborated with various colleges to **attract a larger audience**, resulting in 1000+ participants for an all over India hackathon, demonstrated **excellent communication, negotiation**, and **interpersonal skills** to invite industry experts for all events being organized.

Related Courses

J.P.Morgan Chase and Co. College to Corporate Program

June 2023 – Present