RITI VAKIL

8850835123 - Mumbai,India

✉ ritivakil3@gmail.com   in LinkedIn: riti-vakil   ○ Github: riti-vakil   Portfolio   Leetcode: riti-v11

Education

Sardar Patel Institute of Technology   **Dec 2021 - May 2025**
Major: B.Tech Computer Engineering (CGPA-8.79)

S.P. Jain Institute of Management and Research   **Jan 2023 - April 2025**
Minor: Finance and Management

Relevant Coursework

- Data Structures
- Algorithms(OOPS)
- Operating Systems
- Database Management
- Computer Networks
- Web Development
- Big Data Analytics
- Software Testing

Experience

Full Stack Developer Intern   **May 2023 - August 2023**
Company - Saral Tech   *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

Programming Languages: Java, Python, HTML/CSS, JavaScript, C++
Frameworks/Libraries: React.js, Node.js, Express.js, Next.js, Hadoop, HBase, Hive, Spark
Development Tools: MySQL, MongoDB, Git/Github, Selenium, Tableau

Projects

Plant Guard | *PyTorch, Flask, HTML, CSS— Link*
- Developed a deep learning model by implementing Convolution 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 Meter | *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), Streamlit — 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.

Publications

IMPULSE: Important Message Prioritization Using Relevancy Scoring Engine   **May 2024**
Presented at ICACIS-Springer held at Jawaharlal Nehru University, Delhi
- Developed a model using **Top2Vec** and **XGBoost** for prioritizing critical messages in chat applications, achieving **96.55% accuracy** and **98.25% precision**, enhancing user experience by ensuring **important messages** are promptly **highlighted** and notified.

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 – April 2023**