

VRUND RAJPUT

Vadodara, Gujarat

☎ +91 8140766084 ✉ vrundrajput2002@gmail.com 🔗 [linkedin.com/in/vrund-rajput-58a395158](https://www.linkedin.com/in/vrund-rajput-58a395158)

Education

Dhirubhai Ambani Institute of Information and Communication Technology

Nov. 2020 - Present

B.Tech. in Information and Communication Technology with minor in Computational Science

Gandhinagar, India

CGPA: 8.27/10

Experience

Sprinklr

May 2023 - July 2023

Product Engineer Intern

Gurgaon, India

- Constructed a resilient API tailored for capturing Twitter user metadata, optimizing data retrieval by seamlessly integrating Elasticsearch functionality.
- Established an alerting mechanism to promptly notify developers of Kubernetes deployment failures, ensuring immediate awareness and response to potential system downtime.
- Implemented remedial measures for deployment failures, swiftly addressing issues to minimize system downtime and maintain operational efficiency.

DAIICT

July 2023 - October 2023

B.Tech Mini-Project

Gandhinagar, India

- Engineered real-world applications for RMVRVM (Remote-Model View Remote-ViewModel) and MVVM (Model View ViewModel) models, bringing their theoretical concepts into practical fruition.
- Executed and fine-tuned both models, amplifying their real-world effectiveness and usability across various scenarios.
- Played a pivotal role in advancing a survey website's development, aimed at gathering data and feedback crucial for assessing the models' performance and functionality.

Projects

Central Mess Management System | JWT, Nodejs

- Orchestrated the creation of a software application revolutionizing food establishment operations, automating tasks, and enhancing both customer and staff experiences.
- Specialized in backend implementation, integrating robust JWT authentication, and enhancing diverse functionalities.
- Streamlined processes, automated tasks, and elevated experiences through innovative backend development for optimizing food establishment operations.

LaborList and Wages Management System | SQL, PostgreSQL

- Spearheaded the construction of an extensive PostgreSQL Database System, leveraging SQL for streamlined labor management across district and state tiers.
- Directed the entire process, from conceptualizing SRS and Schema design to scripting and rigorous testing, ensuring a robust and efficient system.
- Mastered the creation of complex queries spanning diverse relationships, guaranteeing flawless functionality within the system for seamless operations.

O2D: Oxygen Cylinder Distributor | C++, Data Structures

- Engineered O2D, a C++ initiative orchestrating oxygen cylinder distribution to pandemic-affected hospitals, employing diverse data structures.
- Strategized an algorithm that prioritizes hospitals based on urgent needs, guaranteeing fair access and efficient allocation during the COVID-19 crisis.
- Showcased adeptness in algorithm design and data structures by tackling pressing healthcare dilemmas through the O2D project.

Technical Skills

Languages: C++, SQL(Basics), HTML/CSS, JavaScript

Technologies/Frameworks/Libraries: Git, Github, MATLAB, PostgreSQL, LTSpice, LaTeX.

Technical Electives: Data Structures, Object-oriented programming, Design and Analysis of Algorithms, Operating System, Database Management System(DBMS), High-Performance Computing, Introduction to Data Mining.

Achievements

- AIR-15390 in JEE Mains (98.62 Percentile Rank)
- 6* at HackerRank
- 4* at CodeChef
- Max. Contest Rating of 1392 at Codeforces