

# VIVEKSINGH THAKUR

Ahmedabad, Gujarat

📞 9978175165    ✉ [vivek14599@gmail.com](mailto:vivek14599@gmail.com)    [in](#) [LinkedIn](#)    [GitHub](#)

## Education

### International Institute of Information Technology

*Master of Technology, Computer Science and Engineering*

Aug. 2020 – Present

CGPA: 3.35/4

### U.V Patel College of Engineering

*Bachelor of Technology, Computer Science and Engineering*

Aug. 2016 – May 2020

CGPA: 8.85/10

### Mahatma Gandhi High School

*Higher Secondary School*

June. 2015 – May 2016

Percentage: 71

## Experience

### Qualcomm | Software Engineering intern

Jan 2022 - till now

- Joined as an Intern in Power Performance and Thermal team under Apps Subsystem.
- Working on C Code related to Power usage of main core in the Chipset.

## Projects

### Cube Data Management System | C++, SQL

March 2021

- Created a Data Warehouse System for Querying large volume of data efficiently using relational database.
- The application uses pre-computed Lattice of Cuboids which improves the OLAP query processing time upto 3x for bulk data.
- Implementation of OLAP functions like SLICE, DICE, ROLL-UP etc for deep insights related to data.
- Implemented unique functionality, ICEBERG cubes for faster querying and better caching which meets aggregate conditions.

### Student Community Hub | JAVA, Angular JS, Git, Docker, Jenkins, Ansible, SpringBoot

April 2021

- Developed a full-stack project which provides students with a platform to share their information and resources. Authorized clubs and committee members had extra notification and announcement functionality.
- Project was developed with Angular JS and SpringBoot.
- The CI/CD implementation involves Devops tools like Git, Jenkins, Docker, Ansible.

### Banking Management System | C, Linux

November 2020

- Designed a sample banking transaction system using C, Linux system call to simulate the common functions of using a bank account.
- Used Socket programming to provide communication between server and clients.
- Used File management, Locking, Process Management, IPC mechanism to implement functionalities.

## Relevant Coursework

- Data Structures
- Operating Systems
- DevOps
- Software Systems
- Algorithms
- Database Management
- Data Modeling

## Technical Skills

**Languages:** C++, C, SQL,

**Developer Tools:** VS Code, Eclipse, IntelliJ

**Technologies/Frameworks:** HTML/CSS, React, Springboot, Jenkins, Git, Docker, Ansible

## Achievements

- Secured All India Rank 726 among 97481 candidates in GATE CS 2020.
- Selected in Top 30 players out of 450 players for U-16 State level Cricket Tournament.
- Secured 2nd Rank at District Level in High Jump and 100 meter Hurdles

## Extra- Curricular

- Managed Free Food Delivery Network to different hospitals
- Worked as Volunteer in Bhagya foundation in Clothes and Book Donation drives