

# Rohith Jallipalli

Dallas, TX 75080 | [rohith.jallipalli@gmail.com](mailto:rohith.jallipalli@gmail.com) | (469) 922-8427 | [www.linkedin.com/in/rohithjallipalli](https://www.linkedin.com/in/rohithjallipalli) | <https://github.com/rohithjallipalli>

---

## EDUCATION:

### Master of Science, Computer Science

The University of Texas at Dallas, USA.

Aug 2021 - May 2023 (expected)

CGPA: 3.667/4

### Bachelor of Technology, Electronics and Communication Engineering

Vellore Institute of Technology, Vellore, India.

Aug 2017 – June 2021

CGPA: 9.15/10

## TECHNICAL SKILLS:

**Languages:** Python, Java, SQL, R, MATLAB, Verilog HDL.

**Web dev Technologies and Framework:** HTML, CSS3, Node.js, Flask, GitHub.

**Databases:** MySQL

**Tools and IDEs:** PyCharm, Eclipse, IntelliJ, Jupyter Notebook, VS code, GIT, MySQL

**Libraries:** Matplotlib, NumPy, Pandas, NLTK, SpaCy

**Courses:** Data Structures, Algorithms, Database Design, Big Data, Software Engineering, OS, Networking, Discrete Mathematics, Linear Algebra, Statistical Methods in Data Science.

## PROFESSIONAL EXPERIENCE:

### Graduate Student Assistant, Human Resource, The University of Texas at Dallas.

Aug 2021 – Apr 2022

- Interacting with the students and helping the students with the concepts, project submissions and exams and conducting office hours for personal guidance and resolving students' queries.
- Worked at a front desk position at Covid testing center for verifying and testing around 300 students per day.
- Evaluating the weekly project progress, grading assignments and providing proper guidance and feedback to 125 students in a class.

### Internship Trainee, BHEL, Hyderabad, India.

June 2019 – July 2019

- Worked on PLC programming on CNC machines in one of the top companies in India under topmost engineers' guidance.
- Worked in a project and assisted the employee in the industry along with the technical training based on study of PLC on CNC machines. Also created and implemented a code for metal carving machine under guidance and created submodules for existing ones.

## ACADEMIC PROJECTS:

### Cyber Miner | Python, Flask, React.js, MySQL

Jan 2022 – Apr 2022

- Designed and implemented a web app which works like Google search Engine.
- Functionalities like Auto-complete, Binary operations, Search operations and CRUD operations are implemented.

### DavisBase | MySQL, Java, JavaScript

Aug 2021 – Dec 2021

- Designed and implemented a Database engine that is based on a simplified file-per-table variation on SQL format.
- This operates entirely on command line(no-GUI)
- Implemented commands like create, insert, select, update, drop, show, exit, version and help.

### Contacts Web Page | Angular, Node.js Express, MySQL, HTML5/CSS3

Aug 2021 – Dec 2021

- Developed a web application which lets users search their contacts.
- The application also allows the users to add, modify and delete the contacts in the database.

### Detection of Traffic Signs by Machine Learning | Python

Jan 2020 – Apr 2020

- We considered VGGNet architecture as we found this gives better accuracy by comparing between LaNet and VGGNet architecture. Training and validations are done on some traffic light image datasets.
- Worked in a group of four people to train the data for prediction using Python programming to apply multiple methods by combining clustering, classification and regression algorithms.

## PUBLICATIONS AND CERTIFICATIONS:

Dec 2021 – June 2021

- Advanced D2D communications with Energy Harvesting method by NOMA using Resource Allocation Algorithm.
- Complete Data Structures and Algorithms – S30. May 2022 - Sep 2022 (expected)

## EXTRA-CURRICULAR ACTIVITIES:

### Core Committee Member, IEEE Communication Society, VIT

Aug 2017 – Apr 2021

- Managed and organized hack-a-thons, International Conference (ViTECoN'19) for VIT students along with my team.
- Effectively communicated and managed all the teamwork flow in several scenarios.