# Gnani Prasad Reddy Thumukuntla

gnaniprasad596@gmail.com  |  linkedin.com/in/gnaniprasadreddy  |  https://gnani596.github.io | +1 469 588 4352

## EDUCATION

- **The University of Texas at Dallas**, **Richardson**, **TX**          **Aug 2021-May 2023(Expected)**
  *Masters in Computer Science (Data Science Specialization)*
  *Course Work: Design and Analysis of Algorithms, Data Structures, and Algorithms, Database Design, NLP, Web Development, Machine Learning.*
- **Vardhaman College of Engineering  (VMEG), India**          **GPA - 9.08/10**
  *Bachelor of Technology in Computer Science and  Engineering*          **Aug 2016-Sept 2020**

## TECHNICAL SKILLS

- **Programming Languages:** Python, Java, C#, C.
- **Web Technologies:** JavaScript, React JS, Angular JS, HTML, CSS, PHP, Selenium Framework, Spring Boot.
- **Databases:** MySQL, Postgres, MongoDB, SQLite, Oracle.
- **Tools:** Jupyter Notebook, Spyder, PyCharm, Microsoft Visual Studio, Git, Jira.
- **Machine Learning:**  OpenCV, Scikit-Learn, Pandas.

## WORK EXPERIENCE

- **II-VI Inc,** *Software Developer Intern, TX-USA*          **May 2022**
  - Working on automating and developing the process of parsing data from various types of files (.xml, .csv, .txt) and uploading the parsed data into the database using tables.
  - Building database structures and tables, designing functions, views, and stored procedures, as well as optimizing SQL queries for integration with applications and systems.
- **Graduate & Research Student Assistant,** *The University of Texas at Dallas, TX-USA*    **August 2021 - April 2022**
  - Worked closely with multiple computer science students to tutor in Data Structures and Algorithms, Database Design, and Introduction to programming.
  - Successfully analyzed and debugged code (Python and Java) written by many different individuals and provided feedback.
- **Tata Consultancy Services,** *Software Developer (Apple INC Client), India*          **July 2020- August 2021**
  - Developed a responsive web application where data is uploaded in xlsx format and the result is generated based on the predefined pillar logic, at the end, users can able to view or download the result in xlsx format.
  - Responsible for making the frontend UI design and making the application  responsive.
- **Sureify Pvt Ltd,** *Full Stack Developer Intern, India*          **June 2019 – April 2021**
  - Worked for Lifetime Engage platform which provides web and mobile consumer engagement applications on various technologies like React, Bootstrap, Golang, and PHP
  - Proposed ideas for the design and development of an Employee Interaction and Inclusivity project in the company.

## PROJECTS

- **Me.com – Web Application**
  - Built responsive, accessible, and dynamic web pages by translating my own designs and wireframes into high-quality code using React, HTML, CSS, and JavaScript which enable users to easily navigate the website.
  - Conceptualized, created, and managed dynamic web pages for data display and entry using appropriate APIs and allowing users to submit information by storing data in a database.
- **Wrong Way Detection –  Python OpenCV**
  - Developed an algorithm that takes video as input and then preprocesses the input data and automatically detects lanes (using least squares regression) and vehicles which move in the opposite lane.
  - Implemented a method that detects the vehicle which is moving in the wrong direction and generates the fine on the registered number plate.

## AWARDS & ACTIVITIES

- Vantage in **Business English Certification** by Cambridge University.
- Distinction certification in **Python** by XOBIN Bootcamp.
- Supervised team of 20 people in successfully accomplishing Webcasting duty at State Elections India.
- 2nd prize for college-level Paper Presentation under CETA, IEEE-H.

## ADDITIONAL INFORMATION

- **Eligibility**: VISA, Eligible to work in the US for internships and full-time for up to 36  months