

# Parepalli Venkat Charan

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**Git Hub** - <https://github.com/pvenkatcharan-since2002> | **Profile** - <http://zunō.com>

## Professional Summary

I am an undergraduate in the stream of Data Science, possessing good understanding of the subject matter with a priority for practical application over theoretical knowledge. My passion for continuous learning has driven me to explore various related domains within this field. Engaging in hackathons and corporate events has been instrumental in attaining practical insights aligned with my educational stream. With a commendable grasp of diverse sectors, I am confident in my ability to contribute effectively to various software and research roles in the organization, dedicated to enhancing its operations through innovative work. I always believe that I am a good teams-person with leadership and management skills that make me suitable for any position in my stream.

## Education

### 2020 - 2024 B.Tech. in Data Science

Mahatma Gandhi Institute of Technology (Affl. JNTUH) – Gandipet, Hyderabad

Perusing 4<sup>th</sup> year B.Tech. in the stream of data science by exploring corporate problems and studying practical projects in my stream and in parallel managing my studies.

**Present cumulative grade** 7.0 / 10.0 | **GATE (DA)** - Score 45.33/100

### 2018 - 2020 Intermediate in MPC

Narayana jr college, Hyderabad

Completed matriculation in the science stream with great understanding of concepts and practice. Where I use learnt concepts in real life.

**Intermediate Board exam** - 86.1% | **JEE Mains** - 75575 Rank | **JEE Advance** - 29500 Rank

### 2018 State level Secondary education

Bhashyam High School, Santosh Nagar, Hyderabad

Completed Schooling with an aspiration of learning practical knowledge in future, with a good critical thinking and active participation in extra circular activities.

**SSC** - 9.7/10 | **Ramanujan Math Olympiad** - 75% ( School first )

## Achievements

**Winner of Smart India Hackathon 2022** A national level 36 hours hackathon with more than 50000 participants nationwide. Participated with a team of 6 to solve a real world problem faced by MeiTY.

**Scored 45.33/100 in GATE – 2024 DA** with an estimated rank of around 1500 nationwide.

**Leader of Idea Incubator MGIT** for a term of 16 months, where I took part in entrepreneurship events of various corporates and colleges by representing MGIT and the club.

**Best Global Rank of 1275 in Code-Chef Starters 21** Division 3 (Rated) Code-Chef coding contest. ([https://www.codechef.com/users/pvc\\_since2002](https://www.codechef.com/users/pvc_since2002)).

**Part of EdVenture park's Pre-incubation program** where learnt about how to set a startup and other technical requirements. Worked to build 'Xpress Bank' a startup. (<http://xpressbank.in>)

## Projects and experiences

**Website Services using client-end processor - A browser with new architecture** is my ongoing university major project that concentrates on eradicating the main problem of running webpage logic in VPS (<http://zunō.com/projects/major>).

**Enhancing Agricultural Profitability and Market Efficiency through Data-Driven Integration and Demand Forecasting** is an executed university minor project in the team of 2. It is based on real problem of finding demand of a product in RythuBazaars. The real-time CCTV data was collected from the local rythu bazaar ( Bharat Nagar market ) and is analyzed using computer vision modules of python to output comparative demand of a product in a specific period (<http://zunō.com/projects/minor>).

**ATSS (Anytime Scholarship System)** is an IoT model made in the Smart India Hackathon - 2022 in a team of 6 people. The system solves the problem of integration through communication of offline payment of scholarships and Direct Benefit transfer in deep rural areas. The system is made at a low cost of around 4500 rupees where it is used for authentication, data storage, communication...etc.; it uses PLCC (Power Line carrier-communication, Raspberry pi, Optical fingerprint sensor (R307), Arduino uno,...etc; (<http://zunō.com/projects/sih/heapifiers>).

**Employee retention prediction ML model** was created by a team of 5 people for Hack4Hire hackathon, the model use existing data to find how probable are the employees interested in retaining in company, the model also include suggestions to avoid mass resignations of employees in the companies (<https://github.com/pvenkatcharan-since2002/h4h>).

**Open contribution to Nitter @github** has been made to improve services of Nitter, a static Twitter that doesn't collect user data for feed recommendation. A basic contribution of idea has been made (<https://github.com/pvenkatcharan-since2002/nitter>).

**Web3 application to secure and transfer art works in NFT format** is a block chain project that was partially executed in a team of 6 people under the guide from Spheron network (a web3 startup). It helps users to create NFTs of architecture plans, art works, Property layouts, certificates...etc; in NFT form and execute cross-chain transfers with Spheron APIs (<http://zunō.com/projects/intuh/heapifiers>).

**Art gallery website** is a review project completely re-executed MERN project that helps users to post art work and buy if liked. It helps in eliminating the problem of copying digital art format of art by using image data instead of file while displaying ( <https://github.com/pvenkatcharan-since2002/artgal> ).

**Multiple static webpages** were created and hosted by me for an architect who liked to display her projects for her new clients, representation web for the idea incubator club of MGIT, My profile...etc; (<http://zunō.com/projects/staticwebs>).

## **Skills**

### **Experienced**

Python, Devops (Github), C, Data Structure, Design and analysis of algorithms, IoT, SQL, MongoDB, AWS EC2, StarUML, Software Engineering, Raspberry Pi, AutoCAD, MSExcel, MSWord, Shell programing.

### **Moderate**

Java, Java Script, Android Studio, Django, Flask, React, Linux Systems, ML, AI, wire shark, Arduino programming, ChatGPT, Canva.

### **Fresher**

APIs, Salesforce, Hadoop, R programming, Power BI, Azure, Hive, Spring Boot.

## **Certificates**

- **Winner of Smart India Hackathon 2022** - issued by AICTE, Ministry of Education's Innovation Cell.
- **Best performer of Cyber Security Workshop** - issued by Supraja Technologies Pvt. Ltd.
- Certificate of appreciation for participation in
- **Web3 app development certificate** - issued by Lumos, Spheron Network.
- **Python programing certificate** - issued by Wisdom Eye (A subsidiary of ISKCON).

## **Declaration**

I hereby declare that the information provided above is true to the best of my knowledge and it includes only my own works and accomplishments.