

# Sujith Gurrapu

Warangal, Telangana | gurrapusujith33@gmail.com | +91 8897597046 | linkedin.in/sujith-gurrapu

## CARRER OBJECTIVE

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To secure a challenging position in the fields of analysis and development, where I can leverage my foundational coding skills and knowledge of electronics and communication to design innovative solutions, while focusing on software-driven applications with minimal hardware involvement.

## EDUCATION

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**JNTUH UCEST** | *Master of Technology*

Hyderabad, Telangana | **2025**

- Cumulative GPA: 7.5/10 (till 1-1)
- Placement Coordinator for SSP

**SR Engineering College** | *Bachelor of Technology*

Warangal, Telangana | **2023**

- Cumulative GPA: 8.27/10
- Coordinator for events

**Sri Chaitanya Junior College** | *Intermediate*

Hyderabad, Telangana | **2019**

- Cumulative percentage: 93.5/100

**SR National High School** | *SSC*

Warangal, Telangana | **2017**

- Cumulative GPA: 9.8/10

## SKILLS

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- **Technical skills:** C language, Java Standard Edition, SQL, HTML
- **Communication:** Written and oral communication: English, Telugu, Hindi
- **Software tools:** MATLAB, Spreadsheets, VS code, Arduino IDE
- **Subjects:** 5G Communications, Digital signal processing.

## CERTIFICATES

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**Web Designing Basics** | *Itvedant*

November 2023

- Frontend languages – HTML, CSS

**SQL** | *Itvedant*

October 2023

- SQL database language – DDL, DML, DQL, TCL, DCL
- Knowledge on joints, sub queries, stored procedures, cursor and triggers

**Java Programming and OOPS** | *Great learning*

January 2023

- Basic programming to proficient language knowledge
- Hands on experience in Java programs and basic algorithms

**National Intellectual Property Awareness** | *Intellectual Property Office*

February 2022

- Program organized for make awareness on the patents, copyrights, trademarks

## PROJECTS

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**Comprehensive analysis of performance metrics in NOMA systems**

06/2024 – 08/2024

- Engineered a MATLAB simulation project focused on NOMA techniques that identified critical performance metrics, enabling the team to enhance communication protocols and streamline the development process for upcoming 5G projects.
- Github Link: [https://github.com/sujith-hub/mini\\_mtech](https://github.com/sujith-hub/mini_mtech)

## Currency converter

07/2023 – 08/2023

- Developed an innovative currency conversion feature that reduced processing time by 50%, enabling clients to execute transactions swiftly; enhanced service accessibility contributed to a 25% increase in user adoption rates.
- Implemented a user-friendly web interface with HTML, CSS, and JavaScript, leading to a significant decrease in customer support inquiries related to navigation issues, resulting in a 25% time saving for the support team.
- Github Link: <https://github.com/sujith-hub/Currency-converter>

## A smart approach and high-level architecture for car parking system using IoT

05/2022 – 01/2023

- Created a robust framework for a car parking system catering to busy areas, implementing automated entry and exit processes; the system reduced manual intervention by 80%, enhancing overall traffic flow and user experience.
- Skills: Arduino IDE, IoT hardware, MIT app inventor and Firebase Cloud
- Github Link: <https://github.com/sujith-hub/A-smart-approach-and-high-level-architecture-for-car-parking-system-using-IoT>

## Smart home automation using MQTT protocol

08/2022 – 11/2022

- Launched a comprehensive home automation architecture leveraging IoT technology; project implementation led to the successful monitoring of 1,000+ devices and improved energy efficiency for participating households.
- Skills: Arduino IDE, IoT Hardware, Thingspeak cloud
- Github Link: <https://github.com/sujith-hub/smart-home-application-using-mqtt-protocol>

## Bill generating using C as the programming language

01/2022 – 04/2022

- Developed a comprehensive billing solution in C language employing switch-case constructs, which facilitated the processing of complex billing scenarios; the solution is now used by 15+ staff members in customer service.
- Skills: C language, switch case
- Github Link: <https://github.com/sujith-hub/project-on-c>

## ACHIEVEMENTS

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### Patent Publication | Bibilet - reading redefined

05-2022 – Present

- Implemented selling and renting functionality within the book platform employing JavaScript, which increased user engagement time by 25%, allowing customers to find desired titles in under 3 seconds on average. An idea of developing an online aggregator for book market.
- Website Link: <https://genuine-liger-9112e7.netlify.app>
- Github Link: <https://github.com/sujith-hub/bookstore>
- It is under the examination i.e., step 6 of patent process.

## HOBBIES

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**Art:** Refined the drawings of Charlie chaplin, Cartoon like Tom and Jerry and arts belongs to nature.

**Watching streaming services:** Suits, Killer soup

## INTERESTS

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**Personal fitness:** Passionate about fitness and committed to maintaining a healthy and active lifestyle through regular gym workouts.

**Volunteering:** As a student and placement coordinator, I volunteer the events and placement drives

- **JNTUH Global Alumni Meet 2023**

**Designation:** Dias management head

**Chief Guest:** Honorable Governor of Telangana

- **Sparkill 2022**

**Designation:** Instrumental music head

**Chief Guest:** Honorable SR Institutes founder