





# Gedela Sachit

 github/sachitgedela |  linkedin/sachitgedela |  sachitg1358@gmail.com |  +91-9121440659

## EDUCATION

**National Institute of Technology Jamshedpur, India**  
Bachelors of Technology in Electrical Engineering

Dec 2020 - Jul 2024  
**GPA: 8.80/10.0**

**Sri Chaitanya Junior College, Gudavalli, Krishna District**  
Class XII - MPC

2018 - 2020  
**Percentage: 98.8**

**Sri Chaitanya High School, Punadipadu, Krishna District**  
Class X

2016 - 2018  
**GPA: 10.0/10.0**

## PROJECTS

**CPU-SCHEDULING** : [Source Code](#) | [Live Link](#)

JUNE 2023 - JULY 2023

- I designed and developed a web-based **CPU Scheduling Algorithm Visualizer** that allowed users to interactively simulate and analyze different scheduling algorithms. The visualizer supported four algorithms: **Round Robin**, **SJF**, **Priority Scheduling**, and **FCFS**. Users could input process details and observe the algorithms behavior in real-time, with a timer visualizing the progress. The project improved my web development skills, including **HTML**, **CSS**, and **JavaScript**.

**MUSIC PLAYER** : [Source Code](#) | [Live Link](#)

JUNE 2023 - JULY 2023

- I developed a **Music Player web application** as a personal project using **JavaScript**, **CSS**, and **HTML**. The application allows users to listen to their self-made songs collection online. It features a clean and intuitive user interface with dynamic song information display, progress bar, and play/pause controls. The project demonstrates my proficiency in **front-end web development**, including working with audio elements and handling user interactions.

**Pricing-Based Distributed Control of Fast EV Charging Stations Operating Under Cold Weather** May 2023 - Present

- Utilized **Gradient Ascent Algorithm** to optimize pricing for different charging speed classes within a **pricing-based control framework**, **maximizing utility** and **system efficiency**. Iteratively adjusted prices based on a cost function incorporating **charging power**, **service duration's**, **station capacity**, **utility function weights**, and **price thresholds**. Achieved **convergence** by **iteratively** updating prices until utility improvement became negligible. Resulted in **dynamic pricing strategy** for improved resource allocation and enhanced profitability.

## TECHNICAL SKILLS

**Programming:** C++ , C, Python, Data Structures And Algorithms, C++ OOPs 




**Technical Infrastructure:** Operating Systems, Network, Database Management Systems

**Web Development:** HTML, CSS, JavaScript, JQuery, REST API

**Databases:**MySQL

**Miscellaneous:** Git/GitHub, Vs code, Ms office(word,excel,PowerPoint)

## ACHIEVEMENTS

- I participated in different coding events and secured a lowest **All India rank of 42** .
- Solved **900+** DSA problems on **Coding Ninjas**. Contest Rating : **2010**. Currently in **LEVEL 7** With EXP score : **40000+**. 
- Solved **100+** DSA problems on **GeeksForGeeks**. Coding score : **300+**. 
- Solved **100+** DSA problems on **LeetCode**. Contest Rating : **1719**. 