

# Gedela Sachit

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## EDUCATION

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

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

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

2018 - 2020  
**Percentage: 93.86**

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

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

## PROJECTS

**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. .

**College Shopping Website :** [Source Code](#)

Aug 2023 - Present

- I have successfully designed and developed a dynamic web application facilitating the **buying, exchanging, and selling of pre-owned items** exclusively within the **institute campus**. Leveraged **Node.js**, **Express.js**, and **MongoDB** for robust back-end functionality, while ensuring secure user **sign-up/login** and **authentication** through **passport.js**. Crafted an intuitive and engaging front-end using **HTML**, **CSS**, and **Bootstrap**, enhancing user experience and usability.

**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++ <sup>↗</sup>, C++ OOPs <sup>↗</sup>, C, Data Structures And Algorithms

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

**Web Development:** HTML, CSS, JavaScript, Bootstrap, Node.js, Express.js, REST API, EJS

**Databases:** MongoDB, 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** <sup>↗</sup>.
- Solved **1000+** DSA problems on **Coding Ninjas**. Contest Rating : **2010**. Currently in **LEVEL 7** With EXP score : **40000+**. <sup>↗</sup>
- Solved **100+** DSA problems on **GeeksForGeeks**. Coding score : **300+**. <sup>↗</sup>
- Solved **100+** DSA problems on **LeetCode**. Contest Rating : **1719**. <sup>↗</sup>