Gedela Sachit

📞 +91-9121440659 | 🔗 linkedin/sachitgedela | ⚙ github/sachitgedela
✉ sachitg1358@gmail.com | ✈ MyPortfolio/sachitgedela

EDUCATION

National Institute of Technology Jamshedpur, India	Dec 2020 - Jul 2024
Bachelors of Technology in Electrical Engineering	**CGPA: 8.80/10.0**

Sri Chaitanya Junior College, Gudavalli, Krishna District	2018 - 2020
Class XII - MPC	**Percentage: 93.86**

Sri Chaitanya High School, Punadipadu, Krishna District	2016 - 2018
Class X	**GPA: 10.0/10.0**

PROJECTS

MUSIC PLAYER : <u>Source Code</u> | <u>Live Link</u>   Jan 2023 - Feb 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.

SNAKE GAME : <u>Source Code</u> | <u>Live Link</u>   Dec 2022 - Jan 2023

- I developed a classic **Snake Game** as a personal project to enhance my coding skills and creativity. This project was built using **HTML**, **CSS**, and **JavaScript**. The game features dynamic game play, where the player controls a snake to collect food items and grow in size while avoiding collisions with the walls and its own tail. I implemented features like **score tracking**, **high score recording**, and **sound effects** to enhance the **gaming experience**

College Shopping Website : <u>Source Code</u>   May 2023 - Jun 2023

- 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   Sep 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++ OOPs ↗ , C, Python(Basics), 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 41** ↗ .
- Solved **200+** DSA problems on **Coding Ninjas**. Contest Rating : **2010**. Currently in **LEVEL 7** With EXP score : **40000+.** ↗
- Solved **150+** DSA problems on **GeeksForGeeks**. Coding score : **500+.** ↗
- Solved **150+** DSA problems on **LeetCode**. Contest Rating : **1678.** ↗