

# SUDARSHAN AGRAWAL

Chandausi, India

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LinkedIn

GitHub

LeetCode

## EDUCATION

Year	Degree/Examination	Institute/School	GPA/Marks(%)
06/2024	B.Tech in Computer Science Eng.	Graphic Era University, Dehradun	8.5/10
07/2020	12 <sup>th</sup> , C.B.S.E.	R.R.K. Sr. Sec. School, Chandausi	85.6%
05/2018	10 <sup>th</sup> , C.B.S.E.	R.R.K. Sr. Sec. School, Chandausi	87.0%

## INTERNSHIP

### BasketHunt Private Limited

09/2023 – 11/2023

IT & Web Development Intern

Remote

- Enhanced user experience by implementing the responsive design with **Tailwind CSS** for a **React.js** full-stack project, optimizing it for mobile and tablet displays.
- Contributed to the rapid development of a front-end solution using WordPress to meet urgent CEO requirements.

## TECHNICAL PROJECTS

### Expense Management Application | MongoDB, Express.js, React.js, Node.js | GitHub

06/2024

- Developed a **MERN stack** expense management application to track daily user expenses categorywise.
- Integrated **set monthly limits** feature for categories and **data visualization** with **bar graphs** and **pie charts**.
- Implemented **prediction** to forecast the user's next week's expense and **send email notifications**.

### Image Steganography | Java, LSB algorithm | GitHub

07/2023

- Desktop application embedding and retrieving secret text into/from image bits with a secret key.
- Ensured data confidentiality with a fidelity of **99%**.
- Successfully utilized various **Java libraries** for efficient image processing and manipulation.

### Song Recognition System | Python, speech\_recognition, spleeter | GitHub

01/2023

- Applied advanced audio processing libraries like **spleeter** and **speech\_recognition** to accurately identify songs.
- Identifies the song name from sample audio with an **accuracy of 90-95%**.
- Employed a dataset of **57,000+** songs with song names, artist names, and lyrics.

### Student Management App | Java, MySQL, OOPs, JDBC | GitHub

04/2023

- Console application with **CRUD (Create, Read, Update, Delete)** functionality.
- Utilized **Java Database Connectivity** to interact with a **MySQL database** to store and manipulate student data.
- Implemented **OOP principles** for code modularity and maintainability.

## TECHNICAL SKILLS

**Languages:** Java, C, JavaScript, Python

**Web Development:** HTML5, CSS3, Tailwind CSS, React.js, Node.js, Express.js

**Database:** MySQL, JDBC, Oracle, MongoDB

**Developer Tools:** GitHub, L<sup>A</sup>T<sub>E</sub>X, Arduino Uno

**Coursework:** Data Structures, Algorithms Analysis, OOPs, RDBMS, OS Fundamentals, Agile Software Development

**DSA:** Solved 500+ problems on LeetCode.

## POSITION OF RESPONSIBILITY

### IoT Workshop

09/2022

With I.E.E.E. Student Branch

- Collaborated with a team of 6 members to conduct an **IoT workshop** for approximately **150 students**, providing guidance and technical support to help them develop an interest in the field.

### Project Demonstration

08/2022

To National Assessment and Accreditation Council (NAAC)

- Presented an **IoT-based smart dustbin** as part of a team of 3 members to **NAAC** officials during a college inspection, receiving positive feedback on the project's innovation and utility.