

HARSHIT SINGH

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EDUCATION

Galgotias University, Greater Noida
B.Tech in Computer Science and Engineering

2021 - 2025
CGPA - 9.08

TECHNICAL SKILLS

Programming languages: C++, JavaScript
Frontend: Html, CSS, React, Tailwind
Backend: Node.js, Express.js
Database: MongoDB, MySQL
Version Control: Git/Github

EXPERIENCE

The Sparks Foundation
Full Stack Developer Intern

July 2024 - August 2024 (1 Month)
Remote

TextTune AI | [Github](#) | [Website](#) | *MongoDB, Express.js, React, Node.js*

- Developed an **AI Writing Assistant** for comprehensive writing improvement, including **spelling correction**, **grammar enhancement**, and **sentence rephrasing**.
- Used **Gemini** for AI integration.
- Implemented **Leaky bucket rate limiting** with a bucket size of 10 and a leak rate of 2 requests/second, improving API performance and handling burst traffic effectively.
- Used **Privy** for User Authentication

ACHIEVEMENTS

- **Leetcode** : 1720+ Contest Rating, **Top 11%**, Solved **600+** Problems.
- **GeeksforGeeks** : **Institute Rank 5** Out of **10000+** Students.
- **Leetcode** : **1633** Rank, Out of **17000** Participants in Biweekly Contest 117.
- **GeeksforGeeks** : Solved **700+** Problems.
- **Leetcode** / **GFG** : **300+** day streak (Ongoing).

PROJECTS

Study Sync | [Github](#) | [Website](#) | *MongoDB, Express.js, React, Node.js*

2024

- Built a comprehensive **Learning Management System (LMS)** for students.
- Implemented student registration, login, and **subscription management** using **Razorpay**.
- Added **OTP Verification** and **Forgot Password** feature.
- Created an **Admin panel** for managing courses and lectures.
- Developed an admin dashboard to **track sales, subscriptions, and monthly revenue**.
- Used **Redux Toolkit** for optimized state management.

Connectify | [Github](#) | [Website](#) | *MongoDB, Express.js, React, Node.js*

2024

- Engineered a **Real Time** Chat application with the help of **Socket.IO**.
- Added secure user login and sign-up feature using **JSON Web Token**.
- Executed **One to One** and **Group Chat** Feature.
- Designed with **React** for optimal performance on all devices and used **MongoDB** for efficient data handling.

Ease Elect | [Github](#) | *MongoDB, Express.js, Node.js*

2023

- Developed backend for a secure voting system.
- Implemented user **authentication with Aadhar Card** Number and **JWT** for secure access.
- Designed **RESTful APIs** for candidate management, including adding, updating, and deleting candidates.
- Enabled users to view candidate lists and cast votes with **vote-count tracking**.

PARTICIPATIONS

- **Cansat Competition:** Participated in a **NASA-conducted** competition with a 10-member team, building a satellite simulation within a soft drink can.
- **Hackaccino Hackathon:** Developed a software solution to connect NGOs with leftover food to reduce waste, earning praise from the judges.
- **TechnoJam:** Active member of the coding group at Galgotias University.