SHARATH S | 21EE10096

ELECTRICAL ENGG. (B.Tech 4Y)
MINOR in COMPUTER SCIENCE & ENGG. (B.Tech 4Y)

EDUCATION

Year	Degree/Exam	Institute	CGPA/Marks
2025	B.TECH	IIT Kharagpur	8.73 / 10
2021	CBSE(XII)	Senior Secondary School Sector-X	97.4%
2019	CBSE(X)	Senior Secondary School Sector-X	96.6%

INTERNSHIPS AND PROJECTS

Computer Programming Internship : Codespeedy Technology Pvt Ltd   [Dec 2023 - Present]

- Developed and published educational tutorials on various **C++** programming topics for CodeSpeedy's website, increasing user engagement and website traffic, also recieving positive feedback from more than **90%** audience.
- Showed proficiency in C++ syntax, **data structures, algorithms** and **object-oriented programming** concepts.
- Demonstrated strong understanding of complex technical concepts like **Web Scraping** and **Standard Template Library**, and the ability to translate them into clear and concise tutorials for beginner and intermediate learners.

Headlines and Hailstones | Project on Front-End Development   [Dec 2023]

- Crafted a dynamic, single-page news and weather app using **HTML**, **CSS**, **JavaScript** and **ReactJS**, enabling users to explore headlines across **various categories** like business and sports, and fetch weather data for over **100+** countries, all possible through external **API** integration with an average response time of less than **500 ms**.
- Enriched user experience through a **search bar** powered by JavaScript event listeners, and implemented **Infinite scrolling** keeping users engaged while a responsive design ensures flawless viewing across devices. Overarching news details including source, author, and publishing time, and a clean, responsive layout thanks to Bootstrap CSS.
- Showcased exceptional front-end development skills by crafting a functional and engaging application. Utilized **asynchronous programming** to fetch data and used Bootstrap for seamless cross-device compatibility.

Cloudy Notes | Project on Back-End Development   [Dec 2023]

- Developed a full-stack note-taking application using **MongoDB**, **Express.js**, HTML, CSS and Javascript, allowing note creation, editing and deletion, with secure authentication via **bcryptjs** password hashing and **JWT** tokens.
- Crafted comprehensive **APIs** using **Express.js** to facilitate user creation and login, as well as **CRUD** (Create, Read, Update and Delete) operations on notes. This API features user registration, login, note management, and user detail retrieval **endpoints**, ensuring efficient data exchange between frontend and backend.
- Integrated cloud storage for persistent note storage, as well as accessibility from any device. This cloud-based storage solution streamlines data management and delivers a seamless user experience across all device types.

AWARDS AND ACHIEVEMENTS

Competitive Programming

- Achieved a Global rank of **9196** among **3.0 Lakh+** candidates in Code Gladiators (round 1), a programming contest organised by TechGig every year, and got qualified for round 2.
- Solved **600+** problems across various platforms like LeetCode/CodeChef/Codeforces.
- Secured a Global rank of **153** among **30K +** participants in CodeChef STARTERS 91.
- Secured a Global rank of **473** among **30K +** participants in CodeChef STARTERS 96.
- Secured a Global rank of **196** among **30K +** participants in CodeChef STARTERS 97.
- HackerRank certified in problem solving (Intermediate).

SKILLS AND EXPERTISE

Languages, Libraries and Frameworks : Proficient : C,C++, HTML, CSS, JavaScript.
Familiar : Python, SQLite, ReactJS, NodeJS, ExpressJS.
Other Tools : Matlab, LT Spice, MS Office, Latex, Git, Adobe Photoshop, Adobe Premier Pro.

COURSEWORK INFORMATION

Computer Science : Programming and Data Structures, Database Management Systems, Artificial Intelligence : Foundations and Applications.
Mathematics : Probability and Statistics**,** Linear Algebra and Numerical Analysis, Advanced Calculus.
Electrical Engineering : Digital Electronic Circuits, Signals and Systems, Control Systems Engineering.
MOOCs : Supervised Machine Learning (Coursera).

EXTRA CURRICULAR ACTIVITIES

- An active member of the Rajendra Prasad Hall **Illumination Design team**, and secured **3rd** place last year .
- Actively participated in the institute athletics' events, and completed **NSO Athletics** as a part of the curriculum.
- Currently serving as a highly accomplished Student Mentor at **Physics Wallah Private Limited**, one of the largest edTech company in India, and helped over **500+** students achieve their academic and career goals.

!Self declared by the student, CDC could not verify the relevant documents