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EDUCATION

- **National Institute Of Technology Kurukshetra, Haryana** Kurukshetra, Haryana
Bachelor of Technology in Electrical, CGPA: 8.3798 DEC. 2021-Present
- **Emmanuel Mission School** Kota, Rajasthan
Class XII, CBSE: 85.28% 2021
- **St. Lawrence School** Lalitpur, Uttar Pradesh
Class X, ICSE: 92.38% 2019

TECHNICAL SKILLS

- **Programming Languages:** C, C++, JavaScript, Matlab
- **Technologies:** Github, Embedded System, Communications Protocols
- **Developer Tools:** CSS, Material UI, ReactJS.
- **Relevant Coursework:** DSA, OOP, OS, DBMS, Microprocessor and Microcontroller, Electronics and Digital circuits

WORK EXPERIENCE

RRSC-NORTH, NRSC ISRO, NEW DELHI May'24 – Present

- I am leading the team in developing an AQI calculating device that senses the concentration of pollutants responsible for air pollution, uploads real time data on Thingspeak and calculates AQI.
- In this IoT internship, I have excelled in embedded systems, sensor integration, communication protocols, cloud platforms, data analytics, and power management.
- Integrated embedded systems with advanced sensors to detect pollutants (PM, CO, O3) responsible for air pollution, implemented Wi-Fi connectivity using ESP8266 module to upload real-time data to ThingSpeak IoT platform and developed algorithms to process sensor data and calculate AQI based on pollutant concentrations.

PROJECTS

- **Hostel management system:** C++, MySQL, OOP
 - Developed a software system to manage a hostel's operations efficiently, including student records, room allocation.
 - *C++ Application:* Classes such as Student, Room, Fee, and Admin to represent entities, methods for interacting with the database using MySQL queries (e.g., insert, update, delete) and exception handling for database operations to manage errors gracefully.
 - *MySQL Database:* Tables created to store data with appropriate indexes and relationships. Use of SQL queries embedded in C++ code to fetch and manipulate data.
- **Career Forge:** React.js, Scss, Framer-motion, Appwrite.
 - A web application designed to assist college students in navigating their career opportunities.
 - The platform offers four key services: Career Road-maps, Resume Builder, Placement Statistics, Interview Questions.
 - Implemented secure user authentication using Appwrite's third-party service, managed with Context API.
 - Ensured secure and safe navigation within the application through protected routes.
 - Utilized Framer Motion for smooth animations and Scss for design.
- **Socioface:** React.js, CSS, Material UI.

- Implemented the frontend logic using React.js to create a responsive and interactive user interface.
- Utilized CSS for basic styling and enhanced the visual appeal with Material UI components.
- Integrated functionality for users to like and dislike posts, contributing to a comprehensive social media experience.
- It consist of a Login page, Homepage and profile page once user logged in it can also be logged out through logout button at profile profile page.
- **Resume Builder:** *ReactJs, Css*
 - It has an easy-to-use interface that makes it simple for users to create resumes.
 - Implemented the logic using javascript in React to create a responsive and interactive user interface.
 - Personal information, work experience, education, skills, and more can be easily added to customize resumes.And also provide the functionality of real time preview for changes made in resume.
 - Clickable links to social media profiles, portfolios, or personal websites can be included in resumes.
 - After creating a resume, users can download it in PDF or other compatible formats.

ACHIEVEMENTS

- Qualified the Graduate Aptitude Test in Engineering (GATE) for the Electrical Engineering domain.
- **2nd position** holder in the inter-college event ADVANZA - a social media campaigning event in which a team advertises a particular brand's product.
- **1st position** holder in the intercollege event Campus Diaries- a short film making event. I actively coordinated with the team as an director and script writer.
- Recognized as the **third position** holder in Lalitpur district, U.P. in the 10th class (ICSE Board).

POSITIONS OF RESPONSIBILITY

- Vice President of the **Electroreck** Society of NIT Kurukshetra.
- Conducted a workshop on **Switchgear and Protection** and actively participated in a debate on the theme **"Dynamic Pricing of Electricity in India"**.
- Coordinated events at the intercollege level, including **Director's Trophy** and **Techspardha**.
- Led content writing team as Team Leader at **ELECTRORECK** Society
- Represented the **sponsorship** committee of Electroreck Society.
- Proficiently anchored events such as **Engineers' Day** and **Director's Trophy**.