Aakashdeep

Jind,Haryana

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Education

National Institute of Technology, Delhi	May 2025
Bachelor of Technology in Electrical and Electronics	*CGPA: 7.52/10*
Indus Public School, Jind	2019-20
CBSE-12th (PCM)	*94.6%*

Experience

Summer Research Intern (Charging of EV using G2V & V2G operations) 🔗   June 2023 – July 2023

Dr. Amit Kumar Singh   *NIT Delhi*

- Developed and implemented G2V and V2G charging optimization models using MATLAB Simulink, achieving improved grid reliability and energy efficiency.
- Modeled key components including: battery, bi-directional converter, and control system.
- Analyzed power flow and energy exchange during charging and discharging scenarios.

Projects

Flexbook | *HTML, CSS, Java-Script*

- Created Flexbook (doesn't require real login ID/password.), a Facebook clone, using HTML, CSS, and JavaScript to replicate the core functionalities and design of the popular social media platform.
- Implemented key features such as user authentication, profile creation, news feed display, friend requests, messaging system, and post/comment functionality using JavaScript for interactivity.
- Utilized HTML for structuring the content, CSS for styling elements, and JavaScript for dynamic functionality, ensuring a cohesive and engaging user experience.

Weather App | *HTML, CSS, Java-Script, Weather-API*

- Developed a weather app using HTML, CSS, and JavaScript, integrating a weather API for real-time data retrieval.
- Implemented a user-friendly interface with responsive design to ensure compatibility across various devices and screen sizes.

Technical Skills

Programming: C++/C, Javascript, MATLAB, Python (Beginner)
Development: HTML, CSS, ReactJs, NodeJs
Libraries: C++ STL, ReactJs, Python Libraries
Tools & Utilities: Git, Github, VS Code
Relevant Coursework: Data Structures & Algorithms, Object Oriented Programming
Soft Skills: Self-learning, presentation, Team Work, Leadership, Adaptability, Logical Thinking

Position of Responsibilities

IEEE NIT Delhi Student Branch	Sept 2023 - Present
Vice-Chair	
Training & Placement Cell	May 2023 - Present
Executive Member	
Power India International Conference (PIICON)	Nov 2022
Database Head & Event Manager	

Achievements

- 300+ problems solved across Leetcode & CodeStudio
- State Level Science Exhibition Winner
- Gold Medal in Kabbadi in ZEAL 2024(NIT Delhi)
- NTSE Round 1 cleared