HITESH KUMAR

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Portfolio - https://hitechy.github.io/Hitesh-Portfolio/

EDUCATION

B. Tech, Instrumentation and control Enginerring	2021-2025	Netaji Subhas University of Technology, Delhi	7.61 CGPA
CBSE (Class XII)	2020	Holy Convent Senior Secondary School, Delhi	84%
CBSE (Class X)	2018	Holy Convent Senior Secondary School, Delhi	77%

EXPERIENCE

D & B PROJECTS - Electrical Supervisor Intern (on-site) *(1 June 2024 – 31 July 2024)*

- Supervised **high voltage distribution system network** projects, ensuring compliance with safety regulations and coordinating installations.
- Collaborated on **design plans**, **addressed challenges**, and conducted quality assurance **inspections**.
- Enhanced technical skills, leadership abilities, and project management understanding in high-stakes environments, preparing for future challenges in electrical engineering.

ENCRYPTIX - Web Development Intern (Remote) *(22 June 2024 - 22 July 2024)*

- Developed **portfolios and e-commerce landing pages** using HTML, CSS, JavaScript, Node.js, and React.js.
- Enhanced front-end skills by creating responsive and interactive web pages.
- Improved back-end development proficiency with Node.js and **database management using MongoDB**.
- Applied knowledge to practical projects, boosting problem-solving abilities and overall web development expertise.

PROJECTS

E-COMMERCE WEBSITE WITH POS INTEGRATION: HOMIES STORE **(***April, 2023)*

An e-commerce website with seamless POS integration. As a multi team member project, my role was to handle the **database using SQL, PHP** and **front end of the website using HTML-CSS** template.
This project showcased my ability to deliver practical solutions, collaborate effectively, and implement industry best practices.

MOSFET BASED SPEED CONTROLLER BY 555 TIMER *(March, 2024)*

This project focuses on creating a motor speed control system utilizing an **IRFZ44N MOSFET**, a **555 timer IC**, and a **BC547A transistor**. The combination of these components enables precise control over the motor's speed by generating pulse-width modulation **(PWM)** signals.

ANALYSIS OF ECG SIGNAL USING MATLAB *(DECEMBER, 2023)*

This project utilizes **MATLAB** for advanced **ECG signal processing** to enhance cardiac health monitoring. It aims to detect heart issues early, monitor treatment effectiveness, and analyze symptoms such as Arrythmia, Cardiomyopathy etc. The integration of intelligent algorithms and simulation techniques aims to provide doctors with improved diagnostic and treatment tools.

SKILLS AND PROFICIENCIES

- Programming Languages - C, C++ (proficient), Python (beginner),
- Web Development - HTML (proficient),CSS (proficient), JavaScript (Intermediate), PHP (intermediate), Node.js (beginner), React.js (beginner),MySQL
- Software's - MATLAB, SIMULINK, MULTISIM, LTSPICE, XAMPP, MongoDB Atlas.

CERTIFICATES AND AWARDS

- Certificate of Web Development Bootcamp 2024 with **Udemy**. *(15 July,2024)*
- Certificate of CCC (Course on Computer Concepts) with National Institute of Electronics and Information Technology **(NIELIT)**. *(2018)*

NPTEL Certificates

- Foundation Course in Managerial Economics *(Jan-Mar, 2022)*
- Innovation, Business Models and Entrepreneurship *(Aug-Oct, 2022)*
- Ethics in Engineering Practice *(Feb-Apr, 2023)*
- Introduction to Cognitive Psychology *(Jan-Apr, 2024)*
- Introduction to Internet of Things (IIOT) *(Jan-Apr, 2024)*

Link - https://drive.google.com/drive/folders/1BbEfTNdu5zf4gmZiMPAXD0pAP3c9567T?usp=sharing