# DEWANSH YADAV (2021UEE4628)

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## EDUCATION

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|---|---|---|---|
| **B.Tech. (Electrical Engineering)** | **May 2025** | **Netaji Subhas University of Technology, New Delhi** | **7.55 CGPA (up to 4th sem)** |
| CBSE (Class XII) | May 2021 | Kendriya Vidyalaya AFS Tughlakabad, New Delhi | 92.00% |
| CBSE (Class X) | May 2019 | Kendriya Vidyalaya AFS Tughlakabad, New Delhi | 90.00% |

## PROJECTS

**Personal Portfolio Website,** Front-end Development***, (link)*** **Feb 2023 - Mar 2023**

- Implemented personal portfolio website using **HTML5, CSS3,** and **JavaScript** to establish the foundational structure, interactivity visual design and behavior of the **web page**.
- Maintained a **high uptime rate of 99%** while seamlessly integrating multimedia elements.
- Integrated 10 **button-accessed features** to optimize the browsing experience across different devices.

**Digital Clock,** Web Application, ***(link)*** **Jan 2023 - Feb 2023**

- Formulated and deployed a **Digital 12-hour format Clock** using HTML, CSS, and JavaScript.
- Displayed **3 moving dots** representing hours, minutes, and seconds using Scalable Vector Graphics (**SVG)**.
- Attained latency of **less than 100 milliseconds** and reducing data inconsistencies.

**Parking Management System Using ANPD,** **Dec 2021 - Jan 2022**

- Developed an **automated car parking** management system, reducing human intervention by **90%**.
- Improved, **designed,** and **demonstrated a demo model** of a future parking management system using **ML image detection** and extraction techniques with **95% effectiveness**.
- Achieved a significant improvement in **accuracy and security**, with a **100%** enhancement, and employed **MYSQL** for 1 **back-end Database** to manage data input, output and searching.

**Black Line Detection Car,** Working Model, **Jan 2019 - Mar 2019**

- Managed a team of **5 members** and oversaw the project from ideation to implementation.
- Summarized knowledge of **microcontrollers** (Arduino), **motor driver modules**, and **5-channel IR sensors**.
- Calibrated the **IR sensor module** to achieve a detection accuracy rate of 100% for black line detection.

## TECHNICAL SKILLS

- Core Programming Languages: **Java | Python | MySQL | HTML | CSS | JavaScript | C-Programming**
- CS Subjects: **Data Structures & Algorithms | OOPs | DBMS**
- Core Subjects: **MATLAB | VHDL | Digital Circuits and Systems | Signals and Systems | Power Electronics**

## ACHIEVEMENTS AND AWARDS

- Attended the **180DC Asia Pacific Summit'23**, and gained insights into social entrepreneurship.
- **Shortlisted for the SSB** Interview after clearing the **NDA-146** written exam in 2022.
- Ranked among the **top 20** teams in **NSUTTHON'21** by **Crosslinks, NSUT**.
- Secured selection for **Atal Tinkering Lab** by Kendriya Vidyalaya Sangathan, 2019.

## POSITION OF RESPONSIBILITY

**Senior Consultant,** 180-DC NSUT

- **Collaborated with 4 startups**, including **BikeWo** and **Wastelink**, facilitated expansion and scalability.
- **Interviewed 10+** students for the final core team of 180DC for the 2022-23 session.
- **Co-ordinated Biz-Wiz 180 competition** for freshers, and onboarded **15 teams**.

**Volunteer, NSS NSUT Cell**