Nitin Sen

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**Education**

# B.Tech in Artificial Intelligence and Machine Learning 2023 – 2027 Expected

*Jawaharlal Institute of Technology, Borawan (Affiliated to RGPV) CGPA: 7.41/10*

**Current CGPA:** *7.41/10 (Till 4th Semester)*

# Experience

## Web Development Intern - CodeAlpha June 2025 – July 2025

*Remote internship*

* Successfully completed a **1 month internship** focused on **web development projects**.
* Built and submitted projects involving **frontend (HTML, CSS, JavaScript**) and **backend using Django**.
* Enhanced skills in **responsive** **design, dynamic web pages, and Full-stack development**.

## Research Participant – Harvard-Affiliated Innovation Challenge june 2025-present

*JIT Borawan*

* Participated in a prestigious research-driven innovation event conducted by a **Harvard university professor.**
* Selected among the **Top 20 teams** for the final round presentation scheduled for **12th July 2025.**
* Collaborated on proposing innovative solutions addressing **social challenges and technical feasibility..**

# Projects

## E-commerce store(Django Project) June 2025

* Developed a **fully functional e-commerce website** using **Django, HTML, CSS, and JavaScript**.
* Implemented features such as **user registration with email verification, login system, product categories, search functionality, cart, and PayPal payment integration**.
* Designed responsive UI and ensured seamless user experience with **modern CSS animations** and **JavaScript interactivity**.

## Student Dashboard with User Profile (Django Project) June 2025

• Built a **user dashboard web application** using **Django** where users can log in, view profiles, and manage data.

• Customized front-end with **advanced CSS styling, JS animations**, and **offline functionality** without external dependencies.

• Modularized the project using Django templates for **reusability and scalability**.

## Student Record Management System (C Project) Dec 2024

• Designed and implemented a **console-based application** in **C language** for efficient management of student academic records.

• Applied **file handling** and **data structures** (arrays, linked lists) for storing and retrieving information.

## Basic DSA Implementations (Mini-Projects) Feb 2024

• Practiced key **Data Structures and Algorithms** using **C language**: Sorting algorithms, Linked Lists, Stacks, Queues.

• Implemented mini-programs to understand time and space complexity in practice.

## ShareIt File Sharing System (Django Project) April 2025

• Developed the **backend of a ShareIt-like file-sharing system** using **Python and Django** during training.

• Implemented secure **file upload, download, and sharing functionalities** with user authentication.

• Focused on **API design, session management**, and **database handling** for efficient file transfers.

# Relevant Coursework

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| * Machine Learning (Introductory Level) * Object-Oriented Programming (OOPs) * Web Development (HTML, CSS, JavaScript (Basics), Django) | * Python Programming * Artificial Intelligence (Basics) | * C and C++ Programming * Data Science |

# Technical Skills

**Programming Languages**: Python, C, C++, HTML, CSS

**Tools & Libraries:** Git & Github, VS Code, Pandas, NumPy, Matplotlib, Scikit-learn, Sqlight3, Mysql, Plsql

**Technical Concepts:** Machine Learning (Basics), Data Structures and Algorithms, Web Development (Django Basics), File Handling

# Certifications

* **Machine learning in python environment** - Alison
* **Introduction to Machine learning** - Data flair
* **Generative AI Program** – SheKunj
* **AI Powered Collaboration** – LinkedIn Learning
* **Ethics in the age of Generative AI** – LinkedIn learning
* **Programming in python for beginners** – Infosys
* **Advanced HTML** - Infosys
* **GFG – 160 DAY OF PROBLEM SOLVING** – GeeksforGeeks
* **C/C++ Essentials training** – LinkedIn learning

# Academic Accomplishments

* Selected among **Top 20 teams a Harvard-affiliated Research Event** held at the collage, recognized for innovation and problem-solving abilities.
* Qealified in **JEE Mains with 75 percentile**, earning a prestigious **Tuition Fee Waiver (TFW) seat** based on merit.