

# 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 **12<sup>th</sup> 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

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**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.
- Qualified in **JEE Mains with 75 percentile**, earning a prestigious **Tuition Fee Waiver (TFW) seat** based on merit.