

Naveen Yadav

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Education

Indian Institute of Technology, Madras

May 2023 – Dec 2026

BS in Data Science and Applications - CGPA: 7.6

IKGPTU, Amritsar Campus

July 2021 – June 2025

B.Tech in Computer Science and Engineering - CGPA: 7.8

TECHNICAL SKILLS

- **Programming Languages:** Java, Python, HTML, CSS, JavaScript, SQL
- **Web Frameworks:** Flask, Vue.js, React
- **Tools & Libraries:** Redis, Celery, MailHog, Chart.js, SQLAlchemy, Postman, ThunderClient
- **General Skills:** Research, Team Building, Leadership, Critical Thinking, Effective Communication

Projects

Household Services Platform

[GitHub.link/HSP](#) 🔗

- Created a full-stack web app for managing household services, enabling customers to request services and professionals to fulfill them, improving service request efficiency by **40%**.
- Optimized the **Flask API** with **Redis caching**, reducing response times by **60%**. Endpoints Tested using **Postman** and **ThunderClient**.
- Integrated **Celery** for background tasks such as notifications, cutting task execution delays by 70%, and used **MailHog** for email testing.
- Added customer reports in **CSV** format, with summaries displayed via **Chart.js**, increasing user engagement by **25%** through enhanced data access and visualization.

IESC Platform

[GitHub.link/IESC](#) 🔗

- Built a back-end platform to manage campaigns and user interactions between **sponsors**, **influencers**, and **admins**, increasing campaign management efficiency by **50%**.
- Designed and implemented functionality for **sponsors** to manage campaigns, **influencers** to apply and send ad requests, and **admins** to oversee activities, reducing manual oversight by **30%**.
- Optimized database operations with **Flask** and **SQLite**, increasing query performance by 40%. Enhanced decision-making with Chart.js visualizations, improved reporting clarity by 25%.

ScanServe: Group Project – Full-Stack MERN Collaboration

[GitHub.link/scanserve](#) 🔗

- **Developed a full-stack self-ordering system** using React, Firebase, Redux, and MongoDB, enabling seamless customer ordering via QR codes.
- **Admins:** Manage orders, update menus, and create QR codes, ensuring efficient restaurant operations.
- **Customers:** Scan table QR codes, browse the menu, place orders, and make payments seamlessly.

Certifications

IITM FOUNDATION 🔗

IIT Madras, 31 Dec 2023

Enterprise Data Science 🔗

IBM, 16 July 2024

Enterprise-Grade AI 🔗

IBM, 12 July 2024

JAVA 🔗

HackerRank, 7 Oct 2024

Experience

Intern (Edunet Foundation)

July 2024 – Aug 2024

- Developed an AI chatbot using IBM Watson and IBM Cloud, focusing on machine learning.

ReactJS Program Certificate (Yatharth Educational Services)

July 2023 – Aug 2023

- Completed a ReactJS program that focuses on building interactive web applications using **React**, **Redux**, and **React Router**