



Nayan Kar

Roll No.:2312res1014

Your Course

Computer Science and Data Analytics

Indian Institute Of Technology, Patna

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Github

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EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.S (CSDA)	Indian Institute of Technology, Patna	8.03 (Current)	2023-Present
Senior Secondary	WBCHSE Board	88.9%	2022
Secondary	WBBSE Board	83.5%	2020

EXPERIENCE

- Research Internship, IIT Patna (Advisor: Dr. Joydeep Chandra)** *June 2025 – Present*
AI & Full-Stack Research Intern *Patna, India*
 - Orchestrated the end-to-end development of full-stack features using the MERN stack; architected scalable RESTful APIs and optimized MongoDB schemas to boost application performance and reliability.
 - Developing autonomous AI agents using advanced Large Language Model (LLM) frameworks to automate complex workflows and decision-making processes.

PROJECTS

- Full-Stack ORM Platform**
A platform for real-time brand monitoring and sentiment analysis with a web scraping engine. Frontend / Backend
 - Tech Stack:** Next.js, Node.js, Express.js, MongoDB, Web Scraping, REST APIs, JWT
- DevTinder**
A social platform for developers to connect, collaborate on projects, and chat in real-time. Web App / Server
 - Tech Stack:** React, Node.js, Express.js, MongoDB, Web Sockets
- Movie Recommender System**
A machine learning model that suggests movies based on content-based filtering. Github
 - Tech Stack:** Python, Pandas, Scikit-learn, Machine Learning
- E-Commerce Profitability Prediction**
A data-driven model to predict e-commerce product profitability using ML algorithms. Github
 - Tech Stack:** Python, NumPy, Pandas, Machine Learning
- Hospital Management System**
A console-based application for managing patient records and hospital resources. Github
 - Tech Stack:** C++, Data Structures

TECHNICAL SKILLS

- Languages:** Python, C++, JavaScript
- Frontend Development:** HTML5, CSS3, JavaScript, React, Next.js, UI/UX
- Backend Development:** Node.js, Express.js, REST APIs, Web Sockets
- Databases:** MongoDB
- Data Science & ML:** Machine Learning, Deep Learning, NumPy, Pandas, Matplotlib
- Tools & Core Skills:** Git, Github, Data Structures & Algorithms (DSA)

CERTIFICATIONS

- Decode DSA in C++** *September 2025*
Physics Wallah (PW)
 - Completed an intensive course on Data Structures and Algorithms using C++, covering fundamental and advanced topics.
 - Enhanced problem-solving and algorithmic thinking abilities by solving over 500 coding challenges on various platforms.
- Oracle Certified Foundations Associate, AI Foundations** *September 2025*
Oracle University
 - Achieved certification demonstrating foundational knowledge in Oracle Cloud Infrastructure (OCI) for AI services.