# Ayan Nayyer

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#### **EDUCATION**

- BS, Data Science and Programming | IIT Madras | 2025 | CGPA: 8.61
- Class XII | St. Michael's High School, Patna | 2021 | 92%
- Class X | St. Michael's High School, Patna | 2019 | 95%

#### **SKILLS**

- Programming: Java, Python, JavaScript, SQL, R, ReactJS, NodeJS, VueJS
- Web Development: HTML, CSS, Flask
- Tools and Tech: Matlab, CommandLine, MS-Office, Git
- Specialized Areas: Machine Learning (ML), Artificial Intelligence(AI), Data Analytics, Data Science, Statistical Modelling, Natural Language Processing (NLP)

## **Certifications and Trainings**

- Data Analytics Professional, Google
- Data Analysis And Visualisation, Accenture
- Data Science Job Simulation, British Airways
- Web3 and Blockchain Fundamentals, Coursera
- Data Mining, NPTEL
- SQL Advanced Certification, HackerRank

## **Work Experience**

• Web Developer (Volunteer) - <u>Karwaan-e-Swarozgar</u> (NGO) - Designed and developed the official website (modern and reactive) for Karwaan-e-Swarozgar using ReactJS, an NGO focused on community empowerment and social welfare. Integrated contact and donation features, enhancing community engagement and streamlining communication for the organization.

### **PROJECTS**

- <u>Personal Portfolio Website</u>: A minimalist portfolio website built with React, featuring dark mode, blog functionality, and smooth animations.
- <u>Machine Learning Model</u> to Predict Crime Categories: Developed ML models (Regression, PCA, SVM) to predict crime categories based on attributes
- Resume Chatbot: Built an AI-powered chatbot using NLP to answer resume-related queries dynamically.
- <u>AI-Powered Learning Platform</u>: Web app tailored for students, instructors, and administrators, featuring AI insights, chatbot support, and course management tools. Enhanced learning through automated video summarization using NLP and AI.
- PlayIT Web Music Streaming Application : VueJS-based music streaming app with Redis caching and Flask APIs.
- <u>Task Manager</u> Developed a full-stack task management web app with secure JWT authentication, allowing users to manage, filter, and organize tasks using a React frontend and Flask/SQLAlchemy backend.
- Business Data Management Project: Provided actionable steps to enhance inventory management and demand forecasting at Bharat Kirana, a grocery store in Patna positioning the store for sustained success in the future.
- Google Data Analytics Case Study: Conducted data cleaning and visualization to provide actionable insights for Cyclistic's marketing strategy.
- Decentralised Escrow and Service Marketplace Developed a decentralized escrow and service marketplace dApp using Solidity and React, enabling secure client-provider transactions with on-chain fund management on Ethereum and Hedera networks.

#### **Leadership & Achievements**

- Member of Student Placement Council, IIT Madras BS Degree
- Conducted a full fledged event in Paradox, Annual college fest which was attended by over 1000 audience members.
- International Rank 61 in English Olympiad (SOF India)