

# 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**

## PROJECTS

- **Personal Portfolio Website** : A minimalist portfolio website built with React, featuring dark mode, blog functionality, and smooth animations.
- **Machine Learning Model** 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.
- **AI-Powered Learning Platform** : 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.
- **Task Manager** - 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)