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) - Karwaan-e-Swarozgar (**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.
- **Data Analyst Intern** - Controlytics Automation (1 Month) - Upgraded and enhanced the NFM Dashboard frontend using React and CSS for improved user experience. Developed robust data pipelines and APIs in Flask for SQL Server integration, enabling advanced analytics and real-time visualizations. Implemented interactive search, filtering, and reporting features, and created mock data tools for testing and development. Collaborated on troubleshooting, documentation, and cross-team knowledge sharing.

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)