

# NAINA JHA

kolkata, West Bengal

☎ +91-9088255151

✉ [nainajhaiem2025@gmail.com](mailto:nainajhaiem2025@gmail.com)

🌐 [Linkedin](#)

🐙 [Github](#)

📁 [Portfolio](#)

## EDUCATION

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**Institute of Engineering and Management**

**2022 - 2025**

*Bachelor of Computer Application - CGPA - 9.85*

*Kolkata, West Bengal*

**Hind Motor High School (H.S)**

**2022**

*West Bengal Council of Higher Secondary Education - Percentage - 89.66%*

*kolkata, West Bengal*

**Hooghly Modern School (High)**

**2020**

*West Bengal Board of Secondary Education - Percentage - 80.71%*

*kolkata, West Bengal*

## PROJECTS

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**ML Based Coral Water Analysis and Optimization** 🔗 | [Python](#), [ML Algorithms](#) Sep 2024 - Apr 2025

- Built a machine learning model to classify water quality as suitable or unsuitable for coral growth using key parameters like pH and temperature.
- Used clustering and regression techniques to adjust unsuitable water data and improve environmental suitability.
- Aimed to support coral reef conservation through data-driven water quality analysis and prediction.

**Movie Search Website** 🔗 | [HTML](#), [CSS](#), [JavaScript](#)

**Apr 2024**

- Built a dynamic Movie Search Web App using HTML, CSS, and JavaScript, allowing users to search movies via a public API with real-time search suggestions similar to Google-style autocomplete.
- Implemented interactive UI features including a dedicated movie detail page displaying information such as name, poster, and plot, and a favourites list with add/remove functionality.
- Enabled persistent favourites using localStorage, ensuring the user's movie list is retained across sessions even after refreshing or closing the browser.

**Invoice Generator** 🔗 | [C](#), [File Handling](#), [CLI](#)

**Jan 2024**

- Developed a Restaurant Invoice Generator in C that enables users to generate, store, view, and search customer invoices with detailed item-wise billing, discounts, and tax calculations.
- Implemented file handling using binary files to persist customer orders and support retrieval of historical invoices, enhancing the utility of the billing system.
- Designed a user-friendly command-line interface with structured menus and input validation to ensure smooth user interaction and minimize input errors.

## TECHNICAL SKILLS

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**Programming Languages:** Python, Java, C, Shell Scripting

**Web Development:** HTML, CSS, JavaScript, React.js, REST APIs

**Machine Learning:** Pandas, NumPy, Scikit-learn, Data Visualization

**Database and File Systems:** MySQL, SQL, File Handling

**Developer Tool:** VS Code, Jupyter Notebook

**Operating Systems:** Windows, Linux

## CERTIFICATIONS

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- Develop with Python for AI and Machine Learning - LinkedIn Learning
- Python Data Structures – Coursera
- The Joy of Computing using Python – NPTEL
- The Modern Python 3 Bootcamp – Udemy
- Introduction to Cloud Computing – Coursera
- Developing Front-End Apps with React – Coursera