

Mouli Nath

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Portfolio : <https://mouli-hash.github.io/portfolio/>

Github : <https://github.com/mouli-hash>

Objective : As a BCA student I'm passionate about leveraging technology to solve real-world problems. I have gained hands on experience with languages such as C, Python, and Java. My coursework has included subjects like data structure, OS and DBMS, SQL, digital electronics, UNIX , all of which have enhanced my understanding of efficient coding practices.

I am eager to apply my knowledge and skills in a professional setting through internships. I am particularly interested in software development, web development, html5, css3, javascript, python and java .

Technical skills:-

HTML5,CSS3, javascript

C, java, python

Educational Qualification

Degree / Certificate	Year of Passing	Institution	Aggregate percentage/ CGPA	Board/ University
10 th	2019	ASHUTOSH SMRITI MONDIR BALIKA VIDYALAYA	48.29 %	WBBSE
12 th	2021	BALAGARH HIGH SCHOOL	57%	WBCHSE
GRADUATION (BCA)	Pursuing	TECHNO INDIA HOOGLY	64.84% (UPTO 5 TH SEM)	WBUT

Technical Skills

- ❖ Programming Language: C, JAVA, PYTHON
- ❖ Web development : HTML5, CSS3,JAVASCRIPT

Subjects of Interest

- ❖ C
- ❖ JAVA
- ❖ SOFTWARE ENGINEERING
- ❖ COMPUTER ARCHITECTURE

Academic Project

- ❖ Movie Magic is an engaging web platform that allows users to explore movie posters, watch trailers, and discover where to stream or watch the full movie—whether in theaters or on your favorite digital platform.

User Guidelines for Using the Movie Magic Website : To ensure the best experience for all visitors, we kindly request users to follow these guidelines while browsing and interacting with the Movie Magic platform:

1. User visits homepage
2. Mood buttons are displayed (e.g., Romantic, Comedy, Horror)
3. User clicks on Comedy
4. The app shows a list of comedy trailers
5. User watches a trailer
6. Clicks "Watch Full Movie", and is redirected to Netflix, Prime, etc.

Project Title Movie magic

Front End Language HTML,CSS,

Back End Language JAVASCRIPT

- ❖ "Prediction of Pneumonia using AI/ML": In this project, we developed an intelligent diagnostic tool using Convolutional Neural Networks (CNN) in Python to detect pneumonia from chest X-ray images. This system aims to provide fast, accurate, and cost-effective early detection, particularly beneficial for under-resourced healthcare settings.

 Project Highlights:

 Dataset: Chest X-ray images sourced from Kaggle

 Technologies: Python, TensorFlow, Keras, OpenCV, Scikit-learn

 Model: CNN for automated pneumonia detection

 Performance:

Accuracy: 91%

Precision: 92%

Recall: 90%

F1 Score: 91%

👉 Features: Image preprocessing, result visualization, offline usability

🌐 Future Scope: Multi-disease detection, real-time diagnosis via apps, hospital collaboration

This project demonstrated how AI can reduce diagnostic time, assist doctors, and improve healthcare accessibility, especially in rural areas.

INTERNSHIP

Machine Learning Intern

SkillCraft Technology — Remote/On-site (as applicable)

Month Year – (March 2025 – April 2025)

- Completed a structured one-month internship program focused on Machine Learning fundamentals and practical implementation.
- Gained hands-on experience in data preprocessing, model development, and performance evaluation using Python and libraries such as Scikit-learn, Pandas, and NumPy.
- Worked with real-world datasets to apply supervised and unsupervised learning algorithms.
- Collaborated in a team environment, participated in weekly reviews, and presented outcomes of modelbuilding exercises.
- Earned a certificate upon successful completion, demonstrating proficiency in foundational machine learning techniques.

Web Development Intern

Prodigy Infotech — Remote/On-site (as applicable)

Month Year – (1st April 2025 – 30th April 2025)

- Successfully completed a one-month internship program focused on modern web development practices and technologies.
- Developed responsive and user-friendly web pages using HTML, CSS, and JavaScript.
- Built and deployed sample web projects, incorporating best practices in UI/UX and code structure.
- Awarded** a certificate upon completion, recognizing proficiency in web development fundamentals.

java Development Intern

cognifyz technologies — Remote/On-site (as applicable)

Month Year – (1st April 2025 – 30th April 2025)

- Successfully completed a **1-month Java Developer Internship** at **Cognifyz Technologies**.
- Gained hands-on experience in Java development, object-oriented programming, and backend logic building.
- Thankful for the opportunity to learn and grow in a professional environment.

Skills & Achievements

- ❖ Web designing using Html-CSS certificate
- ❖ Object oriented programming in C++ certificate
- ❖ Web development using object oriented PHP certificate

❖ AI Tools Workshop by [Be10x](#)

- ❖ Reading Books
- ❖ Drawing

Personal Information

- ❖ Father's Name : Samar Nath
- ❖ Mother's Name : Doly Nath
- ❖ Address : Vill. + P.O. – Jirat, neplar math , PS – Balagarh, Dist. – Hooghly,
PIN – 712501
- ❖ Residential Ph no : +91xxxxxxxxxx ❖ **Language known:** Bengali ,English
,Hindi .