

DIPANJANA GHOSH

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SUMMARY

I have recently completed my **B.tech in Computer Science and Engineering** and aspire to grow as an **FullStack Engineer**. I am passionate about **coding and Fullstack development** as I enjoy exploring how intelligent systems can solve real-world problems. I am eager to take on new challenges, continuously learn, and improve my expertise in AI/ML. With a strong commitment to **teamwork and innovation**, I aim to contribute meaningfully by building smart and sustainable solutions.

EDUCATION

University of Engineering and Management, Kolkata, 2025

B.tech in Computer Science Engineering - CGPA **8.1**

St. Stephen's School, Habra, 2021

XII (ISC) - Score **83%**

SKILLS SUMMARY

- **Coding:** Java, C, Python, SQL, HTML.
- **Web frameworks:** Node JS, Bootstrap-5.
- **Tools:** Git, GitHub, VS code, Eclipse
- **Data Structure and Algorithms**
- **Database:** SQL, MongoDB.
- **Soft Skills:** Strong Communication, Leadership, Public Speaking, Time Management.

PROJECTS

- **MOVIE RECOMENDER APPLICATION (MACHINE LEARNING):** January 2024
 - Provides content-based recommendations w.r.t genre, director, overview and crew following the Bag of Words Technique.
 - Displays the top 5 recommendations and their posters via an API request to tmdb based on Cosine Similarity.
 - Libraries used: **NumPy, pandas, Streamlit, nltk, tmdbv3api, python.**
- **CHAT APPLICATION:** November23 -February 24
 - User can send message privately or in a group also can send protected message in groups.
 - Used Java, Swing for application design, Java Socket for networking and Message sending, JDBC with SQL in backend and Multithreading for multiple socket connection.
- **TUTORIFIC (FULL STACK PROJECT):** August 24 -September 24
 - Web based application that helps student and teacher to connect based on specific requirement, nearest distance (**Euclidean**), **time schedule management**, payment alert feature and **AI teaching support**.
 - Proper **CRUD** operation to manage 16 different table and proper security and authentication by OTP, socket connection for chat system.
 - Languages and Tools Used: HBS, Node JS, HTML, Java Script, SQL, **Socket connection**.
- **SMART CONTACT MANAGER (FULL STACK PROJECT):** January 24 -April 24
 - Web based Application that helps user to manage Contact and other details efficiently with proper CRUD operation o Advance features to manage and search User, send mail with proper security and Authentication by Spring Security.
 - Languages and Tools Used: Java, Node JS, Spring Security, HTML, CSS, JWT, Java Script.

EXPERIENCE and TRAINING

- **Machine Learning Internship:** September 2024-November 2024
Obtained hands on experience in Feature Engineering on 5000+ noisy data to train a Breast-Cancer prediction model. Got 93% accuracy.
- **Ethical Hacking and web security Training | IIT Kharagpur** January 2023
Gained knowledge of **web vulnerabilities, penetration testing, and preventive measures** to secure applications against threats like SQL injection, XSS, and phishing.
Learned **network security concepts, encryption techniques, and best practices** for building robust and secure systems.
- **Full Stack Developer Intern | Euphoria GenX April 2024** August 2024
In a team project built the backend and APIs for a delivery-based application and implemented security for proper authentication.
Tech stack used: Node JS, MongoDB, React JS.

CERTIFIATION AND COURSES

- **AWS Cloud Practitioner Essentials** (Coursera) | Certification: [*Link*](#)
- **JAVA:** [*Link*](#)

HOBBIES

- Dancing, Theatre: [*Link*](#)