

# TRISHA MANDAL

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[Portfolio](#)[trishamandal](#)

## EDUCATION

<b>BTech (IoT, CYS, BCT)</b> → University of Engineering and Management Kolkata <b>CGPA:7.76(Upto 4TH Semester)</b>	2026
<b>Class 12 WBBSE</b> → Tehatta High School <b>Marks:</b> 84.33%	2022
<b>Class 10 WB WBBSE</b> → Tehatta Sridam Chandra Balika Vidyalaya <b>Marks:</b> 84.8%	2020

## SKILLS

Python/C/MySQL/Cybersecurity/Networking/HTML/CSS/javascript/React/Cloud Computing

## PROJECTS

- Resume Categorisation** This project automates resume screening and candidate matching using ML algorithms like Logistic Regression (99.48 percent accuracy), SVM, Random Forest, and KNN, leveraging NLP for feature extraction. It ensures unbiased evaluations, improves job matching, supports multiple CV formats, and integrates seamlessly with HR tools for efficient recruitment.
- Health Vision AI** This project stands out as a cutting-edge platform that integrates Python, Streamlit, Convolutional Neural Networks (CNNs), and deep learning models. It offers advanced diagnostic capabilities for detecting six types of diseases, including Tuberculosis, Lung Cancer, and Pneumonia, by analyzing X-rays and other medical imagery. The app’s intuitive interface ensures seamless user experiences, while its machine learning-backed predictions deliver fast, reliable, and accessible healthcare solutions.
- Voice ASSISTANT:** A Python-based terminal voice assistant using speech-recognition and pyttsx3 for speech-to-text and text-to-speech. It performs tasks like playing YouTube videos, fetching time and date, Wikipedia summaries, and telling jokes, showcasing a foundational approach to voice-driven applications.

## WORK EXPERIENCE

<b>Goldman Sachs’s Software Engineering (Forage)</b> - Virtual Internship Completed a job simulation focused on software engineering for Goldman Sachs’s technology team. Developed and tested a scalable application using JavaScript and Python. Collaborated with the team with the team to integrate backend APIs with the frontend interface. Focused on optimizing the performance of software components to meet the industry standards. Engaged in debugging and troubleshooting issues related to code functionality and application performance. Implemented key features to improve user experience and facilitate efficient data flow.	2024
<b>Tata Group Cybersecurity Analyst (Forage)</b> - Virtual Internship Completed a job simulation focused on cybersecurity for Tata Group’s security team. Analyzed and identified potential vulnerabilities within a simulated network environment. Assisted in the development of a threat detection strategy and monitored network traffic for suspicious activities. Conducted risk assessments and proposed solutions to mitigate security threats and enhance data protection. Worked with a team to implement security measures for various IT systems, ensuring compliance with security standards.	2024

## CERTIFIED COURSES

- [Google Foundation of cyber security](#)
- [Google Manage security Risk](#)
- [Google Manage security Risk](#)
- [Agile Project Management Certifications](#)
- [Cybersecurity Awareness badges winner](#)

## HOBBIES & INTERESTS

- Listening to Music & Singing
- Learning about new Technologies