

# TRISHA MANDAL

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## EDUCATION

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<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

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

## PROJECTS

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- **Resume Categorisation** This project focuses on automating resume screening and candidate matching using machine learning algorithms such as Logistic Regression, SVM, Random Forest, and KNN. The system helps HR professionals save time by quickly processing large volumes of resumes, ensuring unbiased evaluations, and improving the accuracy of job matches based on candidate skills, experience, and qualifications. By leveraging natural language processing (NLP) techniques, the system extracts essential features from resumes and classifies candidates accordingly. Logistic Regression achieved the highest accuracy of 99.48 in testing. The solution integrates seamlessly with existing HR tools and supports multiple CV formats, offering a scalable, efficient, and reliable tool for recruitment.
- **GEN AI:** This Project is a cutting-edge multi-functional platform that combines Python, Streamlit, Generative AI, and Google's Gemini API to deliver an all-in-one intelligent application. The suite offers a variety of powerful features, including an AI-powered chatbot, image recognition and analysis, an advanced applicant tracking system (ATS), automated YouTube video summarization, concise text summarization, and interactive PDF-based conversations. By leveraging state-of-the-art technologies, GenAI Suite provides businesses and users with a seamless, intelligent solution for enhancing productivity and streamlining various processes.
- **Voice ASSISTANT:** This voice assistant, designed for terminal use, employs Python libraries like speech-recognition and pyttsx3 to enable speech-to-text and text-to-speech functionalities. It processes commands to perform tasks such as playing YouTube videos, fetching time and date, providing Wikipedia summaries, and telling jokes. Built with NLP and integrated libraries like pywhatkit and pyjokes, the assistant simplifies interactions and is a foundational step toward developing more advanced voice-driven applications.

## WORK EXPERIENCE

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<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**

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

## **HOBBIES & INTERESTS**

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- Listening to Music & Singing
- Learning about new Technologies