Shreenita Saha

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Education

VIT Bhopal University   Bhopal, Madhya Pradesh
BTech   Expected May 2026
> Major in Computer Science; Minors in Artificial Intelligence and Machine Learning Cumulative
> GPA: 9.24/10

12th Standard
Nava Nalanda High School   Kolkata, West Bengal
WB Board Percentage: 88.6%   Jul 2022

10th Standard
The BSS School   Kolkata, West Bengal
WB Board Percentage: 94.6%   Jul 2020

Projects

Olympic Static Website   Sept 2023

- Spearheaded the creation and deployment of a dynamic HTML website for the Olympics, enhancing user engagement and achieving a 40% increase in page views within the first month..

Hermione Granger narrates your life   Feb 2024

- Implemented a real-time computer vision system using OpenCV to capture frames every 2 seconds, achieving 98% accuracy in object detection, and integrated GPT API for witty, sarcastic narrations, enriching the user experience.

LinkUp   April 2024

- Collaborated in a team to architect LinkUp, an end-to-end recruitment platform, where I designed and implemented the job recommendation system, improving match accuracy by 30% and boosting HR engagement by 40%.

Text Classification and Summarization   July 2024

- Designed a custom TF-IDF algorithm without relying on external libraries, boosting summarization performance by 25% over baseline models for large datasets.

Harry Potter's Invisibility Cloak   November 2024

- Engineered a real-time "Invisibility Cloak" using OpenCV in Python, employing precise color isolation and image segmentation to dynamically overlay the background within 50 milliseconds per frame.

- Orchestrated advanced masking and contour-tracking algorithms, attaining 90% fidelity in background reconstruction while ensuring seamless real-time operation.

Extracurricular

AI Club   Jan 2023- Present

- Researched and Authored influential articles on "AI Pets" and "Feed Or Fiction: AI's Influence On Journalism," contributing to the AI Club's newsletter and enhancing its thought leadership.

Fintech Club   Jan 2023- Jan 2024

- Crafted 10+ proposals and recruitment emails as part of the Content and Design Team, boosting club membership by 40% and enhancing branding consistency across communications.

Null Chapter   Feb 2024- Present

- Authored event reports and drafted communication emails for the Null Chapter at VIT Bhopal, driving a 30% increase in participation for hackathons and CTF events, and contributed innovative ideas that enhanced the impact and outreach of both online and offline events.

Bengali Club   Jan 2023- Present

- Managed cultural activities and administrative tasks as part of the general secretary team, streamlining permissions and issue resolution.
- Currently serving as Vice President, leading initiatives to boost cultural engagement and representation..

Experience

- Participated in Smart India Hackathon(SIH'23) along with my team.Cleared the internal college rounds .

- Led a team of 7 members as the Classical Dance Team Lead, representing my college at IIT"Roorkee's fest. Successfully guided the team to the semi-finals, showcasing leadership and collaborative skills.

- Built and optimized machine learning models for salary prediction and fraud detection for my internship at Mentorness, achieving top precision scores and delivering comprehensive explanations of the results and methodologies.

- Navigating an ongoing ML research project at IIIT Guwahati, focusing on predicting priority-based layer-wise connections in social networks by employing advanced data analysis and feature engineering techniques to improve prediction accuracy.

- Collaborated with Dr. Chandan Kumar Behera to author and present a research paper titled *"Real-Time Text Classification and Summarization Model by Enhancing TF-IDF Extractive Summarization Method"* at the IC-SIT conference in Odisha, engaging 100+ attendees, The paper is published on IEEE Xplore and can be accessed online.

- Crafted and delivered impactful content on diverse mental health topics for *My Safe Circle*, a nonprofit organization promoting mental health awareness, during a 5-month tenure (March–July).

Additional

Technical Skills: Python, C , C++, HTML
Languages: Fluent in Bengali ; English; Hindi .
Certifications & Training: Applied Machine Learning in Python(Coursera) – Dec 2023, Intro to Front End Development(Coursera) -May 2023.