Shreenita Saha

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EDUCATION

VIT BHOPAL UNIVERSITY   Bhopal, Madhya Pradesh
Bachelor of Technology   Expected September 2026
   Major in Computer Science; Minors in Artificial Intelligence & Machine Learning
   Cumulative GPA: 9.14/10
   Relevant Coursework: Data Structures and Algorithms, Programming in Cpp, Machine Learning, Deep Learning

NAVA NALANDA HIGH SCHOOL | THE BSS SCHOOL   Kolkata, West Bengal
   12th Percentage (WBCHSE): 88.6%
   10th Percentage (WBSSC): 94.6%

WORK EXPERIENCE

IIIT GUWAHATI   Remote
Machine Learning Researcher   May 2024 – Nov 2024
- Conducted research on predicting priority-based layer-wise connections in social networks using advanced data analysis and feature engineering to improve prediction accuracy.

MY SAFE CIRCLE (Non-profit Mental Health Organization)   Remote
- Crafted and delivered impactful content on diverse mental health topics   March 2024-July 2024

PROJECTS

PAWSITIVE CARE WEB PORTAL (Group Project)   April 2025
- Implemented Developed an all-in-one platform for pet owners covering pet tracking and health management; contributed by designing and implementing the PawPal chatbot assistant for user support..

EMERGENCY RESPONSE SYSTEM: ResQLink   March 2025
- Designed and developed an AI-powered ERS to automate real-time patient reporting, multilingual voice documentation, and ambulance tracking--reducing emergency room delays and enabling faster doctor assignment.
- Led system integration between patients and hospital dashboards, enabling seamless case management, fleet coordination-making critical healthcare more accessible and responsive in urban Indian settings.

HARRY POTTER'S INVISIBILITY CLOAK   Dec 2024
- Developed a real-time invisibility cloak using OpenCV with colour isolation, image segmentation, and advanced masking and contour-tracking algorithms, achieving 90% background reconstruction fidelity and processing frames within 50 milliseconds.

TEXT CLASSIFICATION AND SUMMARIZATION   Nov 2024
- Developed a custom TF-IDF algorithm improving summarization accuracy by 2.25% over baseline models and published research on IEEE Xplore indexed by Scopus.

ACTIVITIES

TECHNICAL CLUBS (AI Club, Fintech Club , Null Chapter)   Bhopal, Madhya Pradesh
Editorial and Management Team   Jan 2023- May 2025
- Authored articles on AI Pets and journalism for the club newsletter. Managed hackathons and recruitment process.

BENGALI CLUB   Bhopal, Madhya Pradesh
Vice President   Feb 2024 – Feb 2025
- Conducted cultural events and administrative tasks while supervising teams to ensure smooth execution and coordination.

ADDITIONAL

Technical Skills: Cpp, Python, Flask , TensorFlow
Languages: Fluent in English and Bengali, Proficiency in Hindi
Certifications & Training: Privacy & Security in Online Social Media (NPTEL), MongoDB Database
Administrator(MongoDb), Deep Learning for Developers(Infosys) ,Introduction to Natural Language Processing(Infosys)