

Tithi Karmakar

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Education

The ICFAI University, Tripura	August 2024
Master of Computer Applications	CGPA 9.78
Coursework: Artificial Intelligence, Machine Learning, Deep Learning	
Tripura University, Tripura	August 2020
Bachelor Degree in Mathematics	CGPA 5.85
Coursework: Linear Algebra, Multivariate Calculus, Probability & Statistics	

Experience

SKARMA SOFTTECH PRIVATE LIMITED, Agartala, Tripura	May 2023 – Aug 2023
Machine Learning Engineering Intern	
Automated Insight Extraction in Clinical Notes Using NLP and AI	
Achieved 90%+ precision and recall	
Reduced review time by 50%	
Improved clinical workflow and patient care	
OASIS INFOBYTE, Remote	Aug 2023 – Sep 2023
Data Science Intern	
Credit Card Fraud Detection	
Achieved 95%+ accuracy in detecting fraudulent transactions	
Reduced false positives by 30%, minimizing customer inconvenience	
Enhanced real-time fraud detection, improving financial security	

Activities & Extracurriculars

Team Leader	Jan 2024 – May 2024
Project Title: Deep Learning based Steganography	
Successfully concealed and extracted text in audio, images, and videos with high fidelity	
Ensured robust data integrity and confidentiality across diverse media formats	
Implemented seamless and undetectable text hiding, advancing secure communication technologies	

Awards

N.J. Yasaswy Memorial Merit Scholarship, August 2023
“Recognized for outstanding academic achievement during the master’s program”

Skills & Interests

Language: Fluent – English and Native - Bengali
Programming: Experience with C, C++, Python
Skills: Numpy, Pandas, TensorFlow, Keras, PyTorch, SQL, Git, NLTK, Spacy
Interest: Machine Learning, Deep Learning, NLP, Generative Ai
Visualization Tools: Excell, Power BI, Matplotlib, Seaborn