



Uttio Mukherjee

Bachelor of Technology
Computer Science Engineering with
Specialization in Data Science
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EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech., CSE	Vellore Institute of Technology, Vellore	9.46/10	May 2026
ISC(XII)	Vivekananda Mission School, Kolkata	98.5%	April 2022
ICSE(X)	Vivekananda Mission School, Kolkata	98%	April 2020

EXPERIENCE

- Department of Systems and IT, Desun Hospitals** *June 2024 - July 2024*
Summer Intern *Kolkata, India*
 - Learned the implementation of SAP ERP for Hospital Management Systems.
 - Gained exposure to functional modules such as FI/CO and MM
 - Acquired insights into the technical module ABAP (Advanced Business Application Programming).

PROJECTS

- DisMan.AI: An AI-Powered Disaster Management and Emergency Response System** *September 2024*
Tools: React, Node.js, MongoDB, Express, Twilio, Google Speech-to-Text, Google Maps, Google Gemini 
 - Built a real-time emergency response system with Twilio for telephony integration, reducing response time.
 - Integrated Generative AI to analyze emergency calls, enabling efficient dispatching and prioritization.
 - Designed a user registration system for precise data collection to aid emergency response teams.
 - Leveraged Google Maps to pinpoint caller locations for faster and more accurate assistance.
- Sales Data Analysis for Business Insights** *August 2024*
Python, Pandas, Matplotlib, Seaborn 
 - Performed EDA to identify key customer segments and top-selling products.
 - Provided insights for demand forecasting and inventory optimization.
 - Recommended strategies to enhance sales and minimize stockouts.
- Fine-Tuned Small Language Models for Disaster Response** *February 2025*
Hugging Face, Transformers, PyTorch, DistilBERT  
 - Fine-tuned DistilBERT on disaster tweets to classify relevant tweets and assess severity.
 - Disaster Tweet Classifier detects disaster-related tweets for real-time monitoring.
 - Severity Classifier ranks disasters as mild, moderate, or severe for response prioritization.

SKILLS

- Programming Languages:** C++, Java, Python, JavaScript, SQL
- Technologies:** React, Node.js, Express.js, Google Cloud
- Tools:** Git, Jupyter Notebook, VS Code

CERTIFICATIONS

- Microsoft Azure AI Fundamentals (AI 900): Verify Certification** *July 2024*
- Skills Measured:** AI workloads and considerations, fundamental principles of Machine Learning on Azure, features of Computer Vision workloads on Azure, features of Natural Language Processing workloads on Azure, features of Generative AI workloads on Azure.

ACHIEVEMENTS

- Merit Scholarship Award for Academic Year 2022-23, VIT Vellore *April 2023*
- Merit Scholarship Award for Academic Year 2023-24, VIT Vellore *April 2024*
- Runners Up in Hackovation (Hackathon), Gravitas'24, IEEE PELS, VIT Vellore *September 2024*

POSITIONS OF RESPONSIBILITY

- Outreach Head,** Bulls and Bears Club (The Finance Club), VIT Vellore *January 2024 - December 2024*