



Sourav Sharma

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Computer Science and Engineering

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Linkdin

GitHub | Leetcode

EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech	National Institute of Technology Arunachal Pradesh	8.87 (Current)	2022-26
Senior Secondary	Tarar college , Tarar	89.0%	2020
Secondary	Shree Didoo Maheshwari Panchyat Vidalaya	82.6%	2018

EXPERIENCE

- North East Renewable Energy Research Lab** dec 2024 - jan. 2025
Machine Learning Intern Guwahati
 - Collabroted with research team to work on Identification of water Contamination type with help of image processing and various ML Algorithm.
 - Collected real-life data from surrounding to train better and also developed web app to deploy the model with help of python frameworks like Flask and Streamlit

PROJECTS

- LLM based on GPT Architecture** mar 2025 - june 2025
Python, PyTorch, TensorFlow, Numpy, / ML Project
 - Created a GPT Architecture model from scratch from Tokeniznig,Vector Embedding,Positional Encoding,attention blocks and also the transformer block with all required layers and then updating the weights released by openAI for gpt-2 model for making it customizable and fine tune according to requirement.
- PA Transformer** may 2025 - july 2025
Python, Numpy, Transformers, Tiktoken, PyTorch, Flask
 - Created a medium GPT architecture, using encoder, MultiheadAttention, Neural Network and Output head
 - Fine tunned the model for generation of text using instruction based fine tuning in alpaca format
- Network_Security_Project** june 2024 - sep 2024
Python, numpy , pandas , Neural Netwok, TesorFlow , Flask , DagsHub
 - Developed Machine Learning model to identify the phishing messages and entries in the system with the help of neural network
 - Data fetched from the mongoDB and processed in the system for training the model and Also created a web app to deploy the model and test the model on random outputs
 - Created indusy level project design for handelling the functionalities individually and connected them eith the help of pipelines
- World Travel Tracker** jan 2025 - july 2025
HTML, CSS, EJS, JavaScript, SQL, Postgres.
 - A World map display where your visited country will be marked, can add new country, data stored in database.

ACCOMPLISHMENTS

- CodeChef Starter 167 (Div 3):** Secured a **Global Rank of 734** among **35,000+ active participants**.
- Technoxian 2024:** Secured a **Global Rank of 16** in *World Robotic Championship (Technoxian)* among **200+ participants**.
- Problem Solving:** Solved **250+ problems** across platforms like *CodeChef, LeetCode, and Codeforces*.
- Impromptu Speech Competition:** First Prize in the campus

TECHNICAL SKILLS

- Programming:** Python, C/C++, Java
- Developer Tools:** Git/GitHub, VS Code, Jupyter Notebook, PyCharm, Bootstrap.
- Web Development:** Node.js, JavaScript, HTML, CSS
- AI And Machine Learning:** Numpy, Pandas, TensorFlow, PyTorch, CNNs,ANN,RNN.

CERTIFICATION COURSES

- Full-Stack Web Development**
Udemy
- Data Science And Machine Learning Fundamentals**
Udemy