

Tanveer Nowaj Majumder

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Education

MTech at **VIT Bhopal University**
Artificial Intelligence and Data Science, GPA: 8.36

Bhopal, Madhya Pradesh
Expected: July 2026

BTech at **Tezpur University**
Computer Science and Engineering, GPA: 6.5/10

Tezpur, Assam
Aug 2023

12th Standard at **Shrimanta Shankar Academy**
CBSE GPA: 8.2/10

Dispur, Assam
May 2018

10th Standard at **Holy Cross School**
SEBA Percentage: 88

Silchar, Assam
May 2016

Projects

Pancreatic Cancer Detection using Radiomics.

- **Developed a CNN-based Flask web app** for pancreatic cancer detection using CT scan images with 84% model accuracy and automated classification. Deployed the model on Render with Docker and Unicorn
- **Integrated TensorFlow Nightly into the CI/CD pipeline**, optimizing dependencies with requirements.txt; this resulted in a 25% improvement in model training speed and performance.
- **Enhanced frontend with Bootstrap & JS** for smooth uploads, ensured testing with unittest, managed version control with Git and tested on 200+ CT scan images, reducing the manual diagnostic time by 40%.
- Demo Link : <https://pancreatic-cancer-detection.onrender.com>

Sentiment Analysis chatbot:

- **Developed a sentiment analysis model** using NLTK to classify text into Positive, Neutral, or Negative, enhancing NLP capabilities and achieved 90% accuracy on custom sentiment dataset.
- **Deployed the model as a chatbot** on Hugging Face Spaces with Gradio, integrating Logistic Regression and VADER for real-time sentiment detection which handles over 100 user interactions per day on average.
- **Streamlined deployment** by managing version control with Git, optimizing dependencies, and configuring model artifacts or pickle files. Demo Link : https://huggingface.co/spaces/Tanveer3333/Sentiment_Chatbot

Work Experience

Fox Trading Solutions

Jun 2022 – Sep 2022

Summer Project Intern

- Led different hotel chains under the management of Fox Trading Solutions to generate extra revenue by building a project based on Restaurant Review Analysis
- Collaborated with developers and product management team to assess project outcomes and prioritize future app features

Skills

Technical Skills: Python, C, C++, SQL, Docker, Kubernetes,

Frameworks & Libraries: Pandas, Numpy, Scikit-Learn, Tensorflow, Keras, OpenCV, NLTK, Matplotlib, Gradio, Flask

Tools and Environments: Tableau, AWS EC2, Jenkins, Github Action, Version control with Git, Google Colab, VS Code

Languages: English, Hindi, Assamese, Bengali

Certifications & Training: Participated in Encode 2025 - Code to Innovate of the Udgam 2025, Organised by IIT Guwahati (Link: <https://unstop.com/certificate-preview/24c51017-529d-4753-bcfd-b308c69d0408>)

Achievements

Hack4Health GenAI Hackathon - 2nd Place Winner

Jan 2025

- **AI-Driven Assistance:** Utilized Generative AI for instant, accurate, and personalized responses to user queries related to healthcare and ensures that users are always informed about the latest healthcare policies and schemes via notification.
- **Multilingual Support:** Caters to diverse populations by offering support in multiple languages, making the platform accessible to more users