

Sucheta Nandi

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Education

VIT Bhopal University B. Tech in Computer Science and Engineering – 9.10 CGPA 12th Standard St. James' High School ISC Percentage: 92.5%	Bhopal, Madhya Pradesh Sep 2022 – May 2026
10th Standard St. James' High School ICSE Percentage: 96.6%	Binnaguri, West Bengal Jun 2022
	Binnaguri, West Bengal Jul 2020

Technical Skills

Python, JAVA, SQL, Pandas, Flask, TensorFlow, Scikit-learn, Seaborn, Keras, NLTK, Power BI.

Projects

ECG Classification Python - ML	Dec 2024 – Apr 2025
<ul style="list-style-type: none">Developed a model to predict cardiovascular diseases (CVDs) using the MIT-BIH Arrhythmia Database with 87553 observations and PTB Diagnostic ECG Database with 14552 observations.Implemented preprocessing techniques including wavelet transformation and SMOTE on the datasets and used it to train XGBoost Classifier model.Collaborated with 5 members to build the project where I was responsible for developing the model and conducting performance analysis.	
Email to Task Extraction Tool Python - Gen AI	Mar 2025
<ul style="list-style-type: none">Developed a Streamlit web app that processes email content, single or batch via CSV, and extracts actionable tasks using IBM Watsonx's generative AI - Granite-13B model.Implemented error-tolerant parsing for diverse email formats and integrated debug logging for response validation.Supported batch processing of emails via CSV uploads with Pandas to automatically iterate through a message column to generate task lists.	
Backpack Price Predictor Python - ML	Feb 2025
<ul style="list-style-type: none">Analyzed a dataset over 300000+ backpack listings and developed an XGBoost Regressor model to predict backpack prices.Engineered a data preprocessing pipeline using pandas and scikit-learn, handling missing values, outliers, and categorical variables to improve dataset quality for modeling.Performed exploratory data analysis (EDA) with matplotlib and seaborn, uncovering key pricing trends (e.g., brand, material, and size correlations) to guide feature selection.	
Gesture2Text Python - ML	Mar 2024 - Jul 2024
<ul style="list-style-type: none">Designed and implemented a real-time hand gesture recognition system using CNN (Convolutional Neural Network) and LSTM (Long Short-Term Memory) models to translate gestures into text.Collaborated in a 6-member team, contributing to data preprocessing, model optimization, and performance benchmarking. Led the development of the LSTM-based temporal modeling component, improving sequential gesture recognitionConducted a comparative analysis of model accuracy and presented findings via visualizations to guide architecture selection.	

Extracurricular

Dance

- Professionally trained and certified by Pracheen Kala Kendra in Odissi. Actively participated in group and solo dance competitions across various towns for 10+ years.

Arts

- Professionally trained and certified by Kala Bharati Sangeet Academy in Painting. Actively participated in painting and art competitions across various clubs.

Additional

Languages: Hindi, Bengali, English

Certificates: Data Analysis with Python (Cognitive Class-Dec 2023), Machine Learning with Python (Cognitive Class-Dec 2023), Data Visualization with Python (Cognitive Class-Jan 2024), SQL and Relational Databases 101(Cognitive Class-Jan 2024)