Thushara R Shenoi

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EDUCATION

SIKKIM MANIPAL INSTITUTE OF TECHNOLOGY
B.Tech in Artificial Intelligence and Data Science
2021-2025 | Majitar, Sikkim
CGPA: 9.45

BETHANY HIGH SCHOOL
Higher Secondary School
2020-2021 | Bangalore, Karnataka
Grade:97.25%

CAMBRIDGE PUBLIC SCHOOL
High School
2018-2019| Bangalore, Majitar
Grade: 96%

LINKS

Github: **thusharashenoi**
LinkedIn: **thusharashenoi**

COURSEWORK

UNDERGRADUATE
Artificial Intelligence
Machine Learning
Natural Language Processing
OpenCV

SKILLS

PROGRAMMING:
Python • C Data Visualization:
PowerBI • Matplotlib • Sci-kit Learn

DATA VISUALIZATION:
PowerBI • Matplotlib • Sci-kit Learn

AWARDS

2024 Gold Medalist, Volleyball Opens
2024 Gold Medalist, Squash Opens
2023 Silver Medalist, Academics
2023 Winner, Hack2Hire
2023 B Certificate, NCC

COLLEGE

2024 Sports Secretary,Student Council
2024 General Secretary, INNOVISION
2024 Organizer, ATHLIMA'24

EXPERIENCE

DELL TECHNOLOGIES | Software Developer Intern
May 2024 - July 2024 | Bangalore, Karnataka

- Part of the Consumer Satisfaction Team [As Behavioral Science Analyst].
- Developed a prototype application focused on analyzing consumer feedback to understand customer behavior trends.By applying time series analysis and forecasting techniques on customer reviews, the application could detect any abrupt changes in customer sentiment. This allowed for in-depth analysis of the company's products and services, helping us identify specific issues and areas for improvement to boost overall customer satisfaction.
- Technologies Explored: Time Series forecasting using ARIMA and Prophet Modeling, PowerBI for data visualization, Postgre SQL Database querying

ZOLVIT | Data Science Intern
May 2023 - July 2023 | Bangalore, Karnataka

- Proficient in workplace dynamics and effective collaboration. Experienced in Speech-to-Text and Text-to-Speech API's including Librosa, WebSpeech API, Whisper, gTTS. Familiar with transformer models and implemented a GPT-3.5 based querying system. Developed independent machine learning models in Python.

PROJECTS

SMIT IN COLLABORATION WITH IIT-ROORKEE | Developer
Nov 2023 – Nov 2024 | Majitar, Sikkim
Worked with **Akhil Menon**, Om Gupta, Girish Sharma and Abhigyan Das to create **SMIT-BOT**, an offline, bilingual interactive toy capable of handling question-and-answer interactions in English and Hindi on low-power devices like Raspberry Pi. Leveraged Piper TTS for clear, natural responses and experimented with voice cloning or a personalized experience. Integrated LLaMA 3.2 via Ollama with LLM quantization to optimize performance on limited resources, ensuring efficient offline Q-A capabilities. Additionally, implemented Vosk Speech-to-Text for voice-based input processing.

ISHAARA | Developer
September 2023 | Majitar, Sikkim
Worked with **Akhil Menon**,**Hansika Shyamala**,**Madhurjya Dasgupta** and **Rimjhim Shrivastava** to create **Ishaara**, a web application, designed to facilitate communication with the hearing disability community by converting Indian Sign Language (ISL) gestures into text. Leveraged Mediapipe and CVZone for real-time image capture and gesture recognition, while NLP pipelines were used to generate coherent sentences from alphabet sequences. Additionally, our team created a custom ISL gesture database to enhance model accuracy and ensure reliable translations. This tool aims to bridge communication gaps and make interactions with people with disabilities easier and more inclusive.

PACMAN | Developer
February 2024 | Majitar, Sikkim
Worked with **Akhil Menon**,**Om Sinkar** and **Souptik Taran** to create **Pacman**, a web app to detect and highlight dark patterns in e-commerce websites. An NLP pipeline was created to clean and pre-process text data extracted from these sites, ensuring consistent formatting and removing irrelevant information. For classification, BERT was implemented to identify specific dark patterns, leveraging its contextual understanding to detect subtle, misleading design elements. A Random Forest model was also used as an initial proof of concept to explore basic classification accuracy.