Ashutosh Bandooni

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EDUCATION

Vellore Institute of Technology, Chennai Campus — **2021 – 2025**
*B.Tech - Computer Science and Engineering - **CGPA - 8.99*** — *Chennai, Tamil Nadu*

Apeejay School, Nerul — **2019 – 2021**
*Class XII (PCM) - **Percentage - 93.8*** — *Nerul, Maharashtra*

Apeejay School, Nerul — **2003 – 2019**
*Class X (Science) - **Percentage - 96.4*** — *Nerul, Maharashtra*

ACADEMIC COURSEWORK

- Data Structure and Algorithms (DSA)
- Design and Analysis of Algorithms (DAA)
- Database Management System (DBMS)
- Operating Systems(OS)
- Compiler Design
- Discrete Mathematics and Graph Theory
- OOPS with C++
- Probablity and Statistics
- Software Engineering
- Quantitative Soft Skills

EXPERIENCE

Project Developer, IBM | Python, Langchain, Pinecone, GPT-4 — **Oct 2023 - Nov 2023**
Freelance

- Leveraged end-to-end open source frameworks to build a LLM-powered chatbot that tackled problems faced in the field of journalism.
- Implemented the back-end for the chatbot website, a FastAPI instance for returning responses and curated a database from various news sources across multiple languages
- Collaborated with India Today, a leading Indian media company and held discussions for the same.

PROJECTS

FactCheckGPT 🔗 | GPT-4, Langchain, Pinecone — **2023**

- LLM-powered chatbot that allows users to rectify claims or misinformation heard on social media, focusing on responsive and to-the-point answers.
- Uses Retrieval-Augmented Generation(RAG) on a knowledge base compiled by using the ClaimReview API from Google

Sarcasm?yeah right. 🔗 | Keras API, Streamlit — **2023**

- A simple NLP utility that detects if a user's sentence is **sarcastic** or not
- Uses a functional model trained on two datasets with an accuracy of **73 percent**

Aasmaan 🔗 | React Native, Firebase, Vanilla CSS — **2022**

- An application that aims to assist people in areas with low literacy. Won third place at an university-organised 24-hour hackathon
- Implemented features for grievance resolution, user-friendly design, and location-based volunteer finding.

TECHNICAL SKILLS

Languages: Python, C++, C, JavaScript, MySQL, MongoDB, Java, HTML
Libraries/Frameworks: Tensorflow, scikit-learn, Django, Langchain, NLTK, Pandas, React Native
Domains of Interest: Deep Learning, Natural Language Processing, Large Language Models, Transformers

CERTIFICATIONS

- **Machine Learning Specialisation** - Deeplearning.ai, Coursera
- **Python Training** - Spoken Tutorial, IIT Bombay

EXTRACURRICULAR

- Member of **IEEE Computer Society** from 2022-2023; helped in writing material for social media
- Core Member of **Business Innovation Community-VIT Chennai**; wrote posts on business analysis and ad campaigns, and helped organise events within college