MANIKANTA GANGAM

Greater Noida, Delhi NCR, India
e21cseu0947@bennett.edu.in |www.linkedin.com/in/manikantagangam/ | +91 9392344779
Portfolio: https://manikantagangam.github.io/ | GitHub: https://github.com/manikantagangam

EDUCATION

Bachelor of Technology – Computer Science Engineering   **CGPA: 9.46**

Bennett University, Greater Noida, India   2021 - Present

- **Organizations:** Bennett Artificial Intelligence Society
- **Relevant Coursework:** Object Oriented Programming, Data Structures, Design & Analysis of Algorithms, Database Management Systems, Operating Systems, Software Engineering, Computer Networks, Artificial Intelligence & Machine Learning, NLP

Data Science Foundations

Indian Institute of Technology, Madras   2020 - Present

EXPERIENCE

Explainable AI for Chest Diagnosis Prediction (Research Project)   **Greater Noida, India**

Bennett University, Greater Noida, India   Sep 2023 – Dec 2023

- Authored and led the research paper titled "Explainable AI for Chest Diagnosis Prediction," accepted at the Second IEEE International Conference on Emerging Trends in Information Technology and Engineering (ic-ETITE'24).

NOTABLE PROJECTS

Tomato Leaf Disease Prediction   **Apr 2024 – Apr 2024**

Skills: TensorFlow/Keras, Deep Learning, Streamlit

- Developed and deployed a Convolutional Neural Network (CNN) using TensorFlow to classify tomato leaf diseases with over 97% validation accuracy. The model was deployed using Streamlit for interactive web-based predictions.

Document Question Answering System   **Jan 2024 – Jan 2024**

Skills: Langchain, OpenAi, Streamlit

- Document Question Answering System is a Streamlit web application that allows users to explore and ask questions about the content of PDF documents.

Legal Document Summarization   **Nov 2023 – Dec 2023**

Skills: Transformers, ROUGE

- Developed a "Legal Document Summarization" project using Pegasus transformer from Hugging Face, enhancing summarization techniques, and evaluating with ROUGE scores.

University Based Social Network Application   **Jan 2023 – Present**

Skills: Flutter, Firebase

- Creating a university-based social network application using Flutter and Firebase in collaboration with a three-member team to implement essential features such as profiles, communities, and a newsfeed.

Hand Gesture Volume Control   **Jan 2023 – Mar 2023**

Skills: Python, OpenCV, Mediapipe

- Developed a gesture-controlled volume application using Python, OpenCV, and Mediapipe, which tracked hand landmarks for adjusting system volume based on detected gestures.

Cricket Match Win Predictor   **Nov 2022 – Nov 2022**

Skills: Logistic Regression, Streamlit

- Developed an Interactive web application using Streamlit library that allows users to enter match data and get prediction results.

Hotel Management System   **Apr 2022 - Jun 2022**

Skills: Java, Java Swing, AWT, Object Oriented Programming

- Designed and implemented user-friendly interfaces for multiple hotel management tasks.

LEADERSHIP POSITIONS

Head of Research Team - **Bennett Artificial Intelligence Society**   Aug 2023 – Present

- Leading research efforts and guiding projects within Bennett Artificial Intelligence Society, focusing on AI-related research and development.

ACHIEVEMENTS

- Achieved 5th position in Smart BU Hackathon 2023 among 200 teams and shortlisted for Smart India Hackathon 2023. Successfully Implemented a Sentiment Analysis solution for helpdesk incoming calls.
- Solved 222 problems on LeetCode, earning 3 badges

TECHNICAL SKILLS & CERTIFICATIONS

Programming Languages: Python, C++, Java

Data Science & Machine Learning: NumPy, Pandas, scikit-learn, matplotlib, OpenCV, TensorFlow, PyTorch, NLP, Word2Vec, GloVe, Transformers, BERT, Transfer Learning, Excel

Web Development: HTML, CSS, JavaScript, Flask, Django, ReactJS, SQL, MongoDB, AWS

Certifications: AWS Academy Machine Learning Foundation, Git Essential Training: The Basics (2019), Design Patterns, HTML, CSS, and JavaScript for Web Developers, Programming Foundations: Fuzzy Logic, Natural Language Processing with Classification and Vector Spaces, Build Better Generative Adversarial Networks (GANs)