Amaraneni Nithin

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Projects

Google Adversarial Nibbler Project / *AI Model Tester*   **Oct 2024 – Jan 2025**

- Contributed to the evaluation and testing of AI models by generating prompts and analyzing output images.
- Documented detailed explanations for incorrect or abnormal outputs to support model improvement.
- Utilized critical thinking and analytical skills to identify inconsistencies in AI-generated outputs.
- Enhanced model reliability and functionality for end-users through testing and feedback.

Design and Implementation of an Advanced Contextual Question Answering Chatbot using the T5 Model and SQuAD Dataset / *Python, Pandas, Fuzzy Logic.*   **Oct 2024 – Dec 2024**

- Developed an advanced contextual question-answering chatbot leveraging the T5 transformer model.
- Fine-tuned the model on SQuAD dataset to deliver precise and context-aware responses.
- Designed and implemented model architecture to enhance NLP capabilities.
- Achieved high accuracy in real-time question answering tasks through optimization.

Stock Market Predication using Time Series / *Python, Pandas, NumPy, Scikit learn.*   **Mar 2024 – May 2024**

- Designed and implemented a stock market prediction model using time series analysis to forecast stock prices.
- Applied statistical techniques and machine learning algorithms to analyze historical data trends.
- Improving prediction accuracy for informed investment insights.

Certificates

Introduction to Machine Learning IITKGP   **Jul 2024 – Sep 2024**
NPTEL

Introduction to Internet of Things   **Jul 2024 – Oct 2024**
NPTEL

Data Structure and Algorithms   **May 2024 – Jul 2024**
GeekForGeeks

Mastering Data Structure and Algorithms using C and C++   **Jan 2024 – Feb 2024**
Udemy

Skills

Languages: C++, Java, Python

Web Technologies: HTML and CSS, NodeJS, JavaScript, React.

Tools/Platforms: MySQL, MongoDB.

Professional Skills: Problem-Solving Skills, Team Player, Project Management, Adaptability

Education

Lovely Professional University Punjab   **2022 – Present**
Computer Science and Engineering   *Jalandhar, Punjab*

Narayana Junior College   **2020 – 2022**
Intermediate   *Hyderabad, Telangana*

Netaji High School   **2019 – 2020**
Matriculation   *Hyderabad, Telangana*