Vishnu Vandith Guntupalli

gvishnuvandith@gmail.com
LinkedIn
+91 8247554052
Hyderabad, Telangana,India

Summary

As an experienced full-stack web developer, I have a strong background in a variety of programming languages and frameworks including JavaScript, TypeScript, Python, and SQL. With expertise in creating dynamic web designs, developing RESTful APIs, and optimizing database performance, I consistently deliver high-quality projects on time and within budget. I also have knowledge in data science, including data analysis and machine learning, which allows me to provide valuable insights to clients. A quick learner and team player, I am committed to staying up-to-date with the latest technologies and delivering innovative solutions that exceed expectations.

Work Experience

Software Engineer

Openstream.ai • Hyderabad, Telangana
06/2021 - Present

Worked with software development and testing team members to design and develop robust solutions to meet client requirements for functionality, scalability and performance. Reviewed project specifications and designed technology solutions that met or exceeded performance expectations.

Participated in architecture, design and implementation of back-end features using React, Node, Express , Angular and MongoDB.

Developed robust, scalable, modular and API-centric infrastructures.

Developed clear specifications for project plans using customer requirements.

Integrated third-party tools and components into applications.

Adjusted design parameters to incorporate new features.

Provided direction and guidance to process improvements and established policies.

Projects

EvaAir: EvaAir is a powerful tool that can quickly and accurately extract data from PDF documents. Its user-friendly interface allows users to easily upload PDF files and extract the relevant data, such as customer names and addresses, transaction amounts, and more. This product has been particularly useful for businesses that deal with large volumes of data, such as banks, insurance companies, and healthcare organizations. By automating the data extraction process, EvaAir has helped businesses to save time and resources, improve accuracy, and make more informed decisions.

Bot Framework: Our proprietary Bot Framework has been designed to support multi-modality, which means that it can interact with customers through a variety of channels, such as chat, voice, and image recognition. Businesses can use this framework to create chat bots that can handle a wide range of tasks, such as answering customer queries, providing personalized recommendations, and even processing transactions. This technology has revolutionized customer service by allowing businesses to provide 24/7 support and improve the overall customer experience.

EvaMHA: EvaMHA is an innovative application that uses advanced machine learning algorithms to detect and analyze facial expressions in real-time. It has been used in a variety of applications, such as gaming, mental health, and education. In gaming, EvaMHA can help to create more realistic and engaging experiences by enabling characters to respond to the player's facial expressions. In mental health, EvaMHA can be used to diagnose and monitor conditions such as depression and anxiety by analyzing changes in facial expressions over time. In education, EvaMHA can be used

to improve student engagement and motivation by providing personalized feedback based on their facial expressions.
I have also developed Protopy, a parser that converts Prolog code to Python. This tool has been incredibly useful for developers who are looking to migrate their Prolog code to Python or who want to use Python libraries in their Prolog programs. Protopy has a user-friendly interface and is highly customizable, allowing developers to control how their Prolog code is translated into Python. This tool has been well-received by the developer community and has been used in a variety of applications, such as natural language processing and artificial intelligence. Overall, Protopy demonstrates my ability to develop innovative tools that can solve real-world problems and simplify the development process for other developers.

Overall, these products represent some of the most innovative and cutting-edge technologies in their respective fields. They demonstrate my ability to develop solutions that can address real-world challenges and improve people's lives.

KGQA: Knowledge graphs have become a popular approach for managing complex and interconnected data. A knowledge graph is a type of graph database that represents knowledge as nodes and edges, allowing for more complex and flexible data modeling. One application of knowledge graphs is in Q&A systems, where they can be used to improve the accuracy and relevance of answers provided to users.

Neo4j is a powerful graph database that is designed to handle large and complex datasets. It is ideal for building knowledge graphs due to its ability to represent data as nodes and edges, allowing for more flexible and efficient data modeling. Additionally, Neo4j supports a query language called Cypher, which simplifies the querying of graph data.
The implementation of a Q&A system using Neo4j involves several steps. First, I have to created a knowledge graph that represents the domain knowledge of the Q&A system. This involves identifying the key concepts, entities, and relationships within the domain and creating nodes and edges in the graph to represent them. For example, if the Q&A system is focused on a medical domain, we might create nodes for diseases, symptoms, treatments, and so on, and edges to represent the relationships between them.
Once the knowledge graph is created, we need to develop a natural language processing (NLP) system that can understand the user's questions and map them to nodes and edges in the graph. This involves using techniques such as named entity recognition, part-of-speech tagging, and semantic parsing to extract the relevant information from the user's question and convert it into a query that can be executed against the knowledge graph.
Finally, we need to develop a system that can generate answers to the user's questions based on the information in the knowledge graph. This involves executing queries against the graph using Cypher, and using the results to generate a response that is relevant and accurate. For example, if the user asks "What are the symptoms of diabetes?", the system might execute a query to find all nodes related to diabetes and their associated symptoms, and then generate a response that lists the relevant symptoms.

React Native Developer - Intern

MegaHoot Technologies, Inc • Florida, PR

I developed a hybrid application for video calling and chatting, designed for enterprise users. The application runs on blockchain technology and features seven layers of security, ensuring the utmost protection for sensitive communications.

The application is built using React Native, which allowed me to create a seamless and user-friendly experience across multiple platforms, including IOS, desktop, and Android.

As the sole developer on this project, I took on a range of responsibilities, including coding, testing, and deploying the application. I also collaborated with stakeholders to gather feedback and implement improvements.

Overall, I am proud of the work I accomplished and believe that this application will provide significant value to enterprise users seeking a secure and reliable communication solution.

Intern

Produens Labs • Hyderabad, Telangana

06/2020 - 10/2020

As an intern at Produens Labs, I had the opportunity to contribute to the development of a new feature for JIRA that allows agile user stories to be displayed directly within Confluence pages. This integration provides a streamlined experience for project management teams by bringing together the power of JIRA's agile project management capabilities with the collaboration and documentation features of Confluence.

Working with Node.js and React, I contributed to the development of a custom Atlassian plugin that enables users to add agile user stories directly within Confluence pages. I also gained experience with JIRA's API and learned how to ensure that the information displayed on the Confluence page is always up-to-date.

Through this internship, I gained valuable hands-on experience with cutting-edge technologies and demonstrated my ability to contribute to the development of complex solutions. I am grateful for the opportunity to have worked with such a talented team at Produens Labs and look forward to

Intern

Indian Servers - Software Development Company • Hyderabad, Telangana

03/2020 - 06/2020

As an intern in the field of web application penetration testing, I was tasked with a range of responsibilities that included implementing ransomware attacks decryption, conducting threat analyses on various applications, and performing web crawling for vulnerability assessment.

One of my most significant achievements during my internship was implementing a decryption tool for ransomware attacks. This involved studying various ransomware attacks and their methods of encryption, analyzing the encryption algorithms, and then designing and implementing a decryption tool that could reverse the effects of the ransomware attack. The tool was tested against a range of different ransomware attacks and was found to be effective in decrypting the affected files, thus minimizing the damage caused by the attack.

In addition to ransomware attacks, I also conducted threat analyses on various web applications to identify potential vulnerabilities and areas of weakness. This involved a range of activities, including reviewing code, analyzing network traffic, and identifying common vulnerabilities such as SQL injection and cross-site scripting. I then provided recommendations on how to address these vulnerabilities and ensure that the application remained secure. I also gained experience in web crawling for vulnerability assessment. This involved using specialized tools to scan web applications for known vulnerabilities, such as outdated software or unpatched systems. I then provided detailed reports on the vulnerabilities found, along with recommendations on how to remediate them.

Finally, I was also exposed to various types of malware attacks, including Trojan and RAT attacks. I learned about the methods used by attackers to infect systems with malware, how to identify and isolate malware infections, and how to remove malware from infected systems.

Overall, my internship provided me with valuable experience in web application penetration testing and equipped me with a range of skills that will be useful in my future career.

Skills

NodeJS,MongoDB,React,Linux,Node.js,HTML,MySQL,PHP,HTML & CSS,C#,C++,SQL,Git,Python,Java,JavaScript,AngularJs,Angular

Education

Computer Science and Engineering

Vidya Jyothi Institute of Technology • Hyderabad, Telangana

06/2021

CGPA : 7.3

Minor Project: This document is a review report on the research to be conducted and the project to be made in the field of IoT to develop a system for driver drowsiness detection to prevent accidents from happening because of driver fatigue and sleepiness. The report to be proposed the results and solutions on the limited implementation of the various techniques

that are introduced in the project. Whereas the implementation of the project give the real world idea of how the system works and what changes can be done in order to improve the utility of the overall system.

Furthermore, the paper will state the overview of the observations to be made in order to help further optimization in the mentioned field to achieve the utility at a better efficiency for a safer road.

Major Project : Stock price prediction is an important task in financial analysis and decision-making. With the advent of machine learning, it has become possible to predict stock prices with high accuracy. In this paper, we explore the use of various machine learning algorithms such as LSTM, Bi-LSTM, CNN, and RNN for stock price prediction. We compare the performance of these algorithms on a dataset of historical stock prices and evaluate their ability to predict future prices.

LSTM and Bi-LSTM are popular algorithms for sequence modeling and have shown promising results in predicting stock prices. LSTM models are particularly effective at capturing long-term dependencies in time-series data, while Bi-LSTM models have the ability to capture both past and future trends. On the other hand, CNN is a powerful algorithm for feature extraction and has been used to extract useful features from stock price data.

We also evaluate the performance of RNN, which is a type of neural network that has shown good performance in various natural language processing tasks. We find that while RNN is not as effective as LSTM and Bi-LSTM in stock price prediction, it can still provide useful insights into the trends and patterns in stock price data.

Overall, our results show that LSTM and Bi-LSTM models are the most effective algorithms for stock price prediction, achieving high accuracy and low error rates. However, CNN and RNN can also provide useful insights into stock price trends and can be used in conjunction with LSTM and Bi-LSTM models for improved accuracy and robustness.

Research:

Multi-Intent Classification Using Dependency Parsing and Named Entity Recognition

Design And Development Of Water Quality Monitoring System In IOT: