

APUROOP THUNUGUNTLA

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EDUCATION

University of Missouri Kansas – City
Bachelor's in computer science engineering

Kansas City, MO
Dec 2023

WORK EXPERIENCE

Orblike Technologies | India | Full Stack Developer Intern

Aug 2021 – Jan 2022

- Built and deployed a school management web application using AWS and WebSocket's for real-time communication.
- Designed and implemented the user interface using HTML5, CSS3, JavaScript, Redux, ReactJS.
- Achieved a 20% reduction in API response time through query optimization, improving application efficiency.
- Actively debugged and resolved 95% of reported issues, ensuring the smooth operation of applications.

UMKC Informative Service Labs | Student Assistant

Aug 2023 – Present

- Provided technical support, troubleshooting, and guidance to facilitate safe and efficient experimentation, contributing to a productive learning environment.

UMKC Housing | Residential Desk Attendant

Aug 2023 – Present

- Provided top-notch customer service, addressing resident concerns, facilitating maintenance requests, and promoting a positive living experience.

ACADEMIC PROJECTS

Commerce Bank InvestPro: A Comprehensive Financial, Investment, and Career Hub
Company: Commerce Bank

Aug 2023-Present

A multi-faceted project seamlessly integrated financial, Banking, and career-enhancing features into a user-centric platform.

- Engineered a secure Unified Payment Interface for payments and enhanced equity with intelligent split suggestions.
- Implemented an AI-powered chatbot with **NLP** capabilities offering users real-time assistance for all the functionalities.

Lip Reader AI

September 2023

The application offers instant translation of lip movements to text, improving communication for hearing-impaired individuals.

- Utilized **TensorFlow's** capabilities for building, training, and deploying deep learning models.
- Implemented advanced **Convolutional Neural Networks (CNNs)** and **Recurrent Neural Networks (RNNs)** for accurate lip movement interpretation.

DocuChat-Pro

March 2023

Developed innovative PDF chatbot using **Python, Lang Chain, ChatGPT API** for seamless interaction with multiple documents.

- Utilized **Large language models** to enhance chatbot functionality, optimizing responses for efficiency.
- Leveraged **Streamlit** intuitive interface to create a user-friendly platform.
- Integrated **LangChain** framework into the application, enabling data-awareness and agentic features.

Virtual Doctor Assistant

December 2021

A healthcare web application that helps users find disease, medication, and specialized doctor appointments.

- Developed a user-friendly healthcare platform by integrating **Bootstrap, .NET, C#, and MSSQL** technologies.
- Designed **Logistic Regression** for patient disease likelihood prediction, achieving 90% accuracy in disease classification.

SKILLS

- Programming Languages:** Python, C++, C, Java, Racket, C#
- Web Technologies:** HTML5, Css3, JavaScript (ES6), jQuery, React.js, Node.js, JSON, Redux, .Net, streamlit, Bootstrap
- Tools:** VS Code, MS Office, Microsoft Azure, Flask, Jenkins, Git, AWS,
- Technologies:** Data Warehousing, Apache Spark, Docker, Hugging face models, RESTFUL API, CUDA, CNN and RNN
- Data Handling:** NumPy, Pandas, Statistics, Data Mining, TensorFlow, Large Language models(LLM), instructor embeddings
- Interpersonal Skills:** Business Communication, Critical Thinking, Problem-Solving, Thought Leadership.
- Technical skills:** Data structures and algorithms, object-oriented design, Machine learning, Artificial intelligence.

CERTIFICATIONS AND ACHIEVEMENTS

- Gold badge holder in Java 30 days of code challenge in Hacker Rank.
- Solved Top Interview 150 Leet Code problems, including complex algorithmic challenges.
- Introduction to parallel programming with CUDA, authorized by John Hopkins University.
- Developing AI applications on Azure, Coursera.

Leadership and Volunteer Experience

- In the last five years, I showcased leadership as a volunteer social worker at Art of Living, aiding those in need.