

PRAVEEN KUMAR REDDY KUKUDALA

+1(901)-631-8044 | Memphis, TN | praveenkukudala1@gmail.com | [LinkedIn](#)

EDUCATION

Master of Data Science, University of Memphis Expected 2025
Relevant Coursework: Data Structures, Data Management, Web Development, Google Analytics, Machine Learning
B.Tech in Electronics and Communication Engineering, Guru Nanak University 2017 - 2021

SKILLS

Programming Languages	Python, SQL, JavaScript (ES6+), TypeScript
Backend Technologies	Node.js, Express.js, Django, FastAPI
Databases	MySQL, MongoDB
Frameworks	React.js, React Native, AngularJS, Redux, Langchain
Tools	GitHub, Jira, RESTful APIs
Research	Market analysis and data-driven insights utilizing AI

EXPERIENCE

ITS Technical Assistant Jan 2024 - Aug 2024
University of Memphis *Memphis, TN*

- Resolved over 200 support requests weekly, boosting user satisfaction by 30%.
- Streamlined incident response processes, reducing ticket resolution time by 20%.

Programming Analyst Nov 2021 - Dec 2022
Cognizant Tech Solutions *Hyderabad, India*

- Reduced manual data querying time by 60% through automated SQL generation.
- Improved accuracy of insights provided by 30% using RAG techniques.
- Enhanced user engagement and satisfaction, reflected by a 40% increase in daily active users within three months of deployment.
- Utilized state-of-the-art LLMs to process natural language queries and generate SQL commands dynamically, improving user interaction with complex datasets.
- Implemented a knowledge graph to organize and relate data entities, enhancing the platform's ability to provide contextual insights and recommendations based on user queries.
- Integrated a RAG approach to enhance the quality of generated responses by retrieving relevant documents and data before generating final answers, ensuring high accuracy and relevance.
- Developed an autonomous agentic system that continuously learns from user interactions, optimizing the query processing and response generation over time, thereby improving user satisfaction.

PROJECTS

Intelligent Data Insights Platform:

- Developed an Intelligent Data Insights Platform integrating large language models (LLMs) and knowledge graphs to automate SQL generation and enhance data discovery, improving query processing efficiency by 60
- Implemented a Retrieval-Augmented Generation (RAG) approach and an autonomous agentic framework, increasing the accuracy of insights by 30

Fitness Tracker App: Developed a cross-platform app using React Native, enhancing user engagement through secure data management via Firebase.

CERTIFICATIONS

- Skyscanner Front-End Software Engineering Virtual Experience Programme (Sept 2024) ([Click Here](#))
- SQL Certification from HackerRank ([Click Here](#))
- React Certification from LinkedIn Learning ([Certificate](#))