

VENKAT REDDY MITTAPALLI

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Education

University of North Texas

Masters in Artificial Intelligence

Aug. 2024 – Dec 2026

Denton, Texas

Relevant Coursework

- Data Structures
- Machine Learning
- Artificial Intelligence
- Deep Learning
- Web Development
- Database Management
- Data Mining
- Big Data Analytics

Experience

NxtWave

Sep 2023 – May 2024

Teaching Assistant

Hyderabad, Telangana

- Addressed and resolved over 80+ student queries related to Node.js, providing timely and comprehensive solutions to enhance their understanding of key concepts.
- Conducted thorough code reviews for 100+ student submissions, offering constructive feedback to improve code quality, adherence to best practices, and overall proficiency in Node.js development.
- Contributed to the creation of 10+ instructional resources, including code examples, tutorials, and documentation, enriching the learning experience for Node.js students.
- Explored ways to visualize and send a daily report of test results to team members using HTML, Javascript, and CSS.

Projects

Flight Price Prediction | *Pandas, Scikit-Learn, Flask, Python*

September 2023

- * Developed a flight price prediction model using Python, Scikit-Learn, and Pandas, achieving an 85% accuracy rate through effective feature engineering and algorithm selection.
- * Collaborated in a cross-functional team to deploy the model in a user-friendly interface, allowing users to input travel details and receive accurate real-time price predictions.
- * Conducted continuous model refinement based on user feedback and market dynamics, showcasing adaptability and dedication to project success.
- * Documented the end-to-end development process, including data exploration, model selection, and deployment, providing a comprehensive reference for future improvements or similar projects.

Generative AI Bot | *Lang Chain, Open AI, Google Colab, Hugging Face*

January 2023

- * Led an innovative Generative AI project, utilizing cutting-edge AI models, including GPT-3, to tackle diverse tasks.
- * Demonstrated proficiency in neural networks, data preprocessing, and a strong commitment to ethical AI practices.
- * Collaborated seamlessly with cross-functional teams to broaden AI applications and optimize algorithms for enhanced results.
- * Redesignated a cutting-edge generative AI chatbot and speechbot, leveraging natural language processing and speech synthesis technologies to facilitate human-like interactions.

Twitter Backend API | *Node Js, Express Js*

November 2022

- * Implemented OAuth 2.0 and JWT token-based authentication to ensure a secure and seamless user login.
- * Orchestrated efficient operations on five database tables, elevating data retrieval, storage, and analysis.
- * Crafted interactive tweet features and a dynamic tweet feed API, resulting in a 10% increase in user engagement.

Todo Application | *HTML, CSS, Javascript, DOM, Bootstrap*

October 2022

- * Architected a feature-rich Todo application, providing users with an intuitive task management platform.
- * Built a responsive and user-friendly web application, leading to 10% user engagement increase.
- * Forged a priority-based task sorting system, allowing users to manage tasks efficiently.

Technical Skills

Frontend: HTML, CSS, Bootstrap, JavaScript, React.js

Backend: Python, Express, Node.js

Databases: SQLite, MY SQL, Mongo DB

Technologies: , : AI / ML, C++, Data Structures Algorithms, Express(node), Flexbox, Git, Java, jQuery, Linux, Next.js, NumPy, OOPs, GitHub

Leadership / Extracurricular

Google Developer Student Club

Sep 2023 – June 2024

Volunteer

Guru Nanak Institutions Technical Campus

- * Orchestrated monthly TechTalk series, elevating attendance by 30% and cultivating industry connections.
- * Facilitated workshops, executed outreach initiatives, and contributed to a non-profit frontend project, refining proficiency in HTML, JavaScript, and CSS.
- * Actively participated in GDSC-sponsored workshops and conferences, staying at the forefront of emerging technologies.