

Bhargavram Gurram

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EDUCATION

Binghamton University, State University of New York, Thomas J. Watson College of Engineering and Applied Science

Master of Science in Computer Science

Expected May 2025

Relevant Coursework: Operating Systems, Design and Analysis Computation Algorithms, Intro to Artificial Intelligence, Intro to Machine Learning, Design Patterns, Database Systems, Programming Languages

Indian Institute of Information Technology, Sri City, India

Bachelor of Technology in Computer Science

May 2023

Relevant Coursework: Computer Organization and Systems, Web Development, Virtual and Augmented Reality

TECHNICAL SKILLS

Languages/ Framework: C, C++, R, Javascript, Python, Java, MATLAB, SQL, Angular

Other: MongoDB, Rest APIs, React, Node.js, HTML, CSS, TailwindCSS

PROFESSIONAL EXPERIENCE

Tech Innovators Inc, Software Developer Intern | Remote

Aug 2022 - Dec 2022

- Contributed to the development of company's flagship customer management platform, enhancing user experience by implementing new features using ReactJS and Node.js
- Optimized dataset queries in MongoDB, reducing data retrieval time by 20% and improving overall application performance
- Collaborated with the QA team to write and execute unit tests using Jest, achieving 95% test coverage and reducing post-deployment bugs by 30%
- Participated in Agile sprints, delivering features on time and contributing to team discussions on architecture and scalability

Innomatics Research Labs, Data Science Intern | Remote

July 2022 – October 2022

- Built an interactive analytics dashboard using Streamlit, enabling predictive insights on customer behavior and improving business decision-making by 20%
- Engineered and optimized ML/DL models for various problems, deploying solutions on Heroku for scalable use, using MLflow for model tracking, resulting in a 30% reduction in deployment time
- Increased accuracy and efficiency in data-driven decision-making by 25%, showcasing practical applications of machine learning in real-world scenarios

RESEARCH EXPERIENCE

Artificial Intelligence Institute of South Carolina, Research Intern | Remote

January 2023 – June 2023

- Fine-tuned GPT-3 and GPT-4 models on a multimodal dataset from social media, improving sentiment and hate speech classification by 15%
- Integrated generative AI(Stable Diffusion) to generate 100K+ claim-based images, enhancing the Memotion dataset's expressiveness
- Elevated project performance by 25%, achieving 92% accuracy in downstream NLP classification tasks

PROJECT EXPERIENCE

Fitness Workout app | Sri City, India

Aug 2022 - Dec 2022

- Developed and launched a responsive web application using ReactJS and TailwindCSS, showcasing a wide range of workout exercises categorized by body part
- Integrated RapidAPIs to fetch and display workout videos, enhancing the app's content with high-quality and up-to-date exercise tutorials
- Deployed the application on Netlify, optimizing load times and ensuring a friendly user experience across devices

Medical Chatbot for Disease Prediction | Sri City, India

Dec 2022 – May 2023

- Collaborated with a team of four to design a medical chatbot using Python, ReactJS, and Flask, with a responsive interface styled in TailwindCSS for disease prediction based on user symptoms
- Collected and preprocessed a Kaggle dataset, implementing machine learning models for symptom analysis, achieving 79% accuracy
- Enhanced diagnostic capabilities with detailed disease descriptions and precautions, reaching a 94% accuracy rate in final disease prediction, refining the model and user experience