

SURYA TEJ MAKINENI

AI Engineer

makinenisuryatej@gmail.com

<https://www.linkedin.com/in/makinenisuryatej/>

+13162238927

Wichita, KS, 67208, USA

Highly motivated and passionate recent graduate with a strong technical foundation in AI and data science, seeking an AI Engineer position to leverage advanced skills in Python, R, and SQL for developing innovative LLM and NLP solutions. Demonstrates professional responsibility in creating impactful data visualizations with Power BI and Tableau, and maintains scalable AI models on cloud platforms like Azure and AWS. Adept at visualizing complex data to drive decision-making. Eager to take on new responsibilities, contribute to cutting-edge AI projects, and drive impactful business solutions in a dynamic, collaborative environment.

Work Experience

Web developer Intern

Aug 2021 - Dec 2021

SEVA BHARATHI ORGANIZATION | Vijayawada

- Designed and developed a scalable e-commerce platform using React, handling over 10,000 daily user interactions.
- Implemented responsive design principles, improving customer satisfaction by 25%.
- Optimized database queries and implemented caching strategies, reducing page load times by 40% and increasing conversion rates by 15%.
- Directed backend functions optimization, decreasing load time by 40% and increasing user conversion rates by 15%.

Machine Learning Intern

Jul 2020 - Sep 2020

STUDIO | Vijayawada

- Developed a machine learning model forecasting customer personal loan adoption with 95% accuracy.
- Executed Exploratory Data Analysis on 5,000+ customer records, involving data cleansing and transformation of 10+ features.
- Communicated insights for data-driven decision-making and strategic planning.
- Collaborated with cross-functional teams to translate business requirements into actionable machine learning solutions.

Projects

MEDICAL CHATBOT

Jun 2024 - Jul 2024

- Developed an innovative MCQ generator using GPT-3.5, Langchain, and Streamlit, deployed on AWS.
- Implemented natural language processing techniques to automatically generate high-quality multiple-choice questions from given text inputs.
- Optimized the application for scalability and performance, handling concurrent user requests efficiently.

AI-POWERED MCQ GENERATOR

May 2024 - Jun 2024

- Engineered a sophisticated medical chatbot utilizing Llama, Langchain, and Pinecone, with a Flask backend deployed on AWS.
- Integrated vector database capabilities to enhance response accuracy and retrieval speed for medical queries.
- Implemented robust security measures to ensure HIPAA compliance and protect sensitive medical information.

Core Skills

Python, SQL, AWS, Large Language Models (LLMs), Natural Language Processing (NLP), API Development, Machine Learning, Data Visualization, Cloud Computing, Git, Agile Methodologies, Data Science, Data Analysis, Statistical Modeling, Power BI, DBT, React, Flask, Cross-functional Collaboration, Problem-solving, Communication, Project Management

Education

WICHITA STATE UNIVERSITY	Aug 2022 - May 2024
Master Computer Science GPA 3.97	
P V P SIDDHARTHA INSTITUTE OF TECHNOLOGY	Jul 2018 - May 2022
Bachelor of Technology Computer Science and Engineering GPA 3.77	

Certificates

AWS Certified Cloud Practitioner Amazon Web Services	May 2024
Graduate Certificate in Computational Data Science Wichita State University	May 2024