Nishanth Gajjala

Nishanth Gajjala | nishanthg1202@gmail.com | +16235007250

Summary

Motivated Data Science graduate with strong technical and Graduate student at Arizona State University with a focus on data science and analytics. Developed strong analytical and technical skills through coursework, research projects, and internship experience. Proficient in Python, TensorFlow, and data visualization, with hands-on experience in clustering, classification, and interactive storytelling. Currently working as a Student Worker IV at ASU's KE-CASI department, contributing to data-driven initiatives.

Work Experience

Software Engineer Intern — Cogniron Technology Ltd. February 2024 - July 2024

– During my internship, I collaborated with a cross-functional team to integrate systems with databases and APIs, ensuring seamless functionality and data flow. I cooperated with team members to create scalable solutions using C# programming while implementing object-oriented principles. I shared insights to debug and optimize code, significantly improving system performance.

Research Intern — SRM University AP January 2024 - June 2024

– Pioneering research in **Brain Tumor Classification Using YOLOv8** under the guidance of a distinguished PhD Professor. Developed a YOLOv8-based model for brain tumor detection from MRI scans, achieving 95% accuracy and an F1 score of 0.96. Leveraged Roboflow for labeling and edge segmentation to enhance precision. Focused on advancing AI-driven healthcare solutions to transform medical diagnostics.

Projects

The History Of Space Missions January 2025 - May 2025

– Developed an interactive scrollytelling website visualizing the global history of space missions using D3.js and WebGL, integrating data from NASA, UNOOSA, and Kaggle. Designed innovative visualizations like a 3D rotating globe, custom glyph bar charts, and mission-type stack charts to communicate trends in technology, international collaboration, and orbital debris.

2-Dimensional Clustering of Crime Dataset August 2024 - December 2024

– Developed a dual-stage clustering and classification model on LA crime data to identify hotspots and suggest low-risk travel routes. Achieved 81% accuracy with Random Forest and 0.66 Silhouette Score using Deep Embedded Clustering for spatial-crime pattern analysis.

Education

ARIZONA STATE UNIVERSITY August 2024 – May 2026
Master of Science in Data Science (Computing and Decision Analytics) GPA: 4.0/4.0
Relevant Coursework: Data Mining,Data Processing,Data Visualization, Info Assurance& Security.

SRM UNIVERSITY AP September 2020 – July 2024
Bachelor of Technology in Computer Science and Engineering GPA: 8.88/10
Relevant Coursework: Machine Learning, Deep Learning, Computer Vision, Natural Language Processing.

Technical Skills

Languages: Python, Java, C++, C, C#, SQL, MySQL, MATLAB, HTML, CSS, PHP, React.
Tools: TensorFlow, OpenCV, Scikit-Learn, NumPy, Pandas, Matplotlib, Tableau, Hadoop, Spark.
Technologies: Large Language Models, Computer Vision, NLP, Transfer Learning,Cloud Computing.

Achievements & Certifications

– Power Platform Fundamentals certification by Microsoft.
– Azure AI Fundamentals Certification by Microsoft.