SPRINGFIELD, US • NEHASINGULURI21@GMAIL.COM • (417)353-7951

NEHA SINGULURI

Data Analyst

PROFESSIONAL SUMMARY

Data Analyst with a foundation in AI and machine learning, leveraging industry experience at TCS to enhance system reliability and streamline workflows. Proficient in SQL, JavaScript, and generative AI, adept at solving complex challenges with innovative solutions. Passionate about advancing data-driven decisions and driving impactful outcomes in scalable systems.

EMPLOYMENT HISTORY

SOFTWARE ENGINEER
TATA Consultancy Services

- Developed virtual Linux services for Ericsson, boosting system reliability and efficiency.
- Resolved complex MVL environment issues, enhancing operational performance.
- Streamlined workflows by managing ticketing and automation with Jira and Jenkins.
- Implemented automated testing, reducing bugs and ensuring smoother project deliveries.
- Led cross-functional meetings to align goals, fostering collaboration and improved outcomes.

INTERN
TATA Consultancy Services

- Trained in system security and Agile, enhancing tech problem-solving skills.
- Developed Jenkins and Jira expertise for collaborative projects.
- Optimized performance with Oracle-SQL, achieving measurable improvements.
- Engaged in ongoing training and mentorship, fostering a collaborative environment.

EDUCATION

MASTER OF SCIENCE IN COMPUTER SCIENCE **Aug 2023 - May 2025**
Missouri State University ***Springfield, MO***

BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE ENGINEERING
VIGNAN's Foundation for Science, Technology & Research ***India***

CERTIFICATIONS

ARTIFICIAL INTELLIGENCE WORKSHOP
MyCaptain

DATA VISUALIZATION: BEST PRACTICES
Linkedin

MULTIDIMENSIONAL ARRAYS AND THEIR TRAVERSAL IN PYTHON
CodeSignal

SKILLS

Python, JavaScript, SQL, C, HTML, CSS, Jenkins, JIRA, Azure DevOps, MongoDB, SQL Workbench, Machine Learning, Deep Learning, NLP, Computer Vision, Generative AI, Image Processing, MS Office, Advanced Excel, PowerPoint.

PROJECTS

BRAIN TUMOR IMAGE CLASSIFICATION (CNN, VGG16)

Built a deep learning system to classify MRI brain scans into four tumor types. Achieved 98% accuracy using custom CNN; implemented transfer learning with VGG16. Focused on performance evaluation and real-time diagnostic potential.

INTELLIGENT ROUTING FOR SMART CITY WSNS (DEEP Q-NETWORKS)

Developed an energy-aware, scalable routing system for wireless sensor networks using adaptive clustering and DQN. Enhanced smart city infrastructure with real-time AI decision-making.