Roshan Naidu

Indianapolis, IN | roshan.the.superior@gmail.com | linkedin.com/in/roshan-naidu | github.com/RoshanNaidu

Education

Indiana University, Indianapolis, IN August 2025 – May 2027
Master of Science in Applied Data Science (GPA: 4.0)

Vellore Institute of Technology, Tamil Nadu July 2021 – August 2025
B.Tech in Computer Science with Artificial Intelligence & Machine Learning (CGPA: 8.7)

Skills

- **Programming Languages:** Python, R, SQL, C++, HTML/CSS, Bash
- **Data Science Stack:** Pandas, NumPy, Plotly, Matplotlib, Seaborn, scikit-learn, TensorFlow, PyTorch, OpenCV, NLTK, Streamlit
- **Tools:** Power BI, Roboflow, Tableau, Excel, Git, Quadratic AI, LLMs
- **Software:** VS Code, Docker, Hugging Face, Postman, Qiskit, StarUML, Wolfram

Experience

Data Engineer Intern, Indiana University School of Medicine - Indianapolis, IN September 2026 – Present
- Integrating Epic EHR data to enable real-time data processing, risk assessment, and clinical decision support
- Designing data-driven workflows through pilot testing and incorporating user feedback to improve system usability
- Preparing research manuscript for publication and optimizing workflow integration

Graduate Research Assistant, Indiana University - Indianapolis, IN September 2025 – Present
- Deployed a deep neural network web application to detect and classify obstructions in rivers and streams across Indiana
- Collaborated with faculty, researchers, and students to design and implement novel technological solutions
- Collected and processed real-time data for research projects alongside drafting research articles

President, Data Science & Machine Learning Club at IU - Indianapolis, IN January 2026 – August 2026
- Led and supervised executive board and general members in planning events
- Delegated responsibilities and monitored completion of tasks to ensure smooth execution of club operations
- Managed event logistics, scheduling, and operational planning for campus programming

Data Analyst Intern, Masycoda Solutions Pvt. Ltd. - Nagpur, India January 2025 – June 2025
- Developed interactive dashboards using Power BI to support business decision making
- Analyzed large datasets using DAX and Power Query to derive actionable insights
- Cleaned and transformed high volume sales data by normalizing tables to reduce redundancy
- Improved dashboard efficiency by up to 50% through filters, slicers, and drill through for faster access

Technical Head, Darlins Production - Chennai, India January 2023 – April 2024
- Designed and launched a website with SEO optimization to increase organic traffic
- resolved 95% of customer queries within 24 hours ensuring timely and effective customer service
- Developed and implemented a comprehensive brand strategy, resulting in a unified online presence
- Boosted online reach through targeted outreach and partnership initiatives

Publications and Projects

CNN Based Wheat Leaf Disease Detection in Agriculture September 2024
- 87.31% accuracy in agricultural plant health detection with optimized CNN architecture
- DOI: 10.1109/ICOSEC61587.2024.10722518 [*Roshan Naidu*, Dr. Balasundaram, Shreyashi Dey, Om Dey – IEEE ICOSEC]

Advanced Traffic Sign and Lane Discernment July 2023
- 99.69% accuracy in CV model for ADAS systems in adverse conditions using CNN
- DOI: 10.1109/INCET57972.2023.10170639 [*Roshan Naidu*, Dr. Vedhapriyavadana – IEEE INCET]

Achievements

Hack-Earth 2026 Finalist Indiana University
- Advanced to finals as a solo developer by competing against hundreds of teams and participants

Winner - Hackathon by Computer Science Club at IU Indy 2026 Indiana University
- Built CodeSafe, a real-time collaborative coding platform, winning 1st place in the IU's CS Club Hackathon