Shreeya Vanka

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EDUCATION

Northeastern University, Boston, MA   January 2026
Master of Science in Data Science

Stanley College of Engineering and Technology for Women, Hyderabad, India   May 2025
Bachelor of Engineering in Computer Science

PROFESSIONAL EXPERIENCE

Ernst & Young Associates LLP, Hyderabad, India   July 2025 – November 2025
Consulting software Developer
- Worked as a full-time contractor at Dell Technologies through EY on enterprise-level technology projects.
- Developed and optimized Python-based scripts for automation and data processing, improving workflow efficiency.
- Designed and implemented responsive front-end interfaces using HTML, CSS, JavaScript, and modern frameworks.

PROJECTS

Robbery & Crime Scene Action Detection
- Developed a video-based action-recognition system using deep learning to detect robbery and crime-related activities from CCTV footage.
- Implemented frame extraction, bounding-box detection, and action classification pipelines.
- Achieved 82% detection accuracy on test video datasets, effectively identifying critical actions for analysis.
- Built end-to-end data processing and ML workflow using Python and Scikit-Learn.

Road Lane Detection System
- Developed a computer vision system to detect road lanes using **Python and OpenCV**.
- Implemented edge detection, region-of-interest masking, and **Hough Transform** for lane identification.
- Improved lane detection robustness under varying lighting and road conditions.

Music Streaming Website (Web Development Project)
- Designed and developed a responsive music streaming website using **HTML, CSS, and JavaScript**.
- Implemented playlist browsing, audio playback controls, and dynamic UI updates.
- Focused on clean UI design and intuitive user navigation

TECHNICAL SKILLS

Languages: Python, Java, SQL, JavaScript
Libraries & Frameworks: NumPy, Pandas, Scikit-Learn, OpenCV, Flask
Web: HTML, CSS, JavaScript
Tools: Git, VS Code, Jupyter Notebook
Databases: MySQL

CERTIFICATIONS/TRAININGS
- **Data Analysis and Visualization with Power BI** — Microsoft, Oct 2025
- **Data Modeling in Power BI** — Microsoft, Oct 2025
- **AWS – Solutions Architecture Job Simulation** — Forage, Jul 2025
- **Mastercard – Cybersecurity Job Simulation** — Forage, Jun 2025
- **Verizon – Cloud Platform Job Simulation** — Forage, Jul 2023