Rishikesh Reddy Mamilla

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EDUCATION

Old Dominion University, Norfolk, VA
Master of Science   December 2026
Major: Computer Science
CGPA: 4.0 for 4.0

Neil Gogte Institute of Technology, Hyderabad, Telangana, India
Bachelor of Engineering in Computer Science   June 2024
Major: Computer Science
CGPA: 7.1 for 10.0

Relevant Courses:
DATA ANALYTICS AND BIG DATA
ARTIFICIAL INTELLIGENCE
Natural Language Processing

TECHNICAL SKILLS

Languages: Python, Java, C, HTML, JavaScript
Tools & Libraries: NumPy, Pandas, Scikit-learn, Matplotlib
Databases: MySQL, MongoDB
Other: Web Scraping, Git

PROJECT EXPERIENCE

Netflix Recommendation System – Innovative Students Hackathon
- *Team Lead* | Hyderabad, India | Dec 2023 – Feb 2024
- Led a 3-member team to develop a content-based recommendation system for Netflix.
- Used Python, web scraping for handling large-scale datasets.
- Reached final round among 100+ teams by proposing an efficient data organization model.

Smart Price Alert System
- Designed an automated price monitoring tool for e-commerce websites using Python and APIs.
- Implemented data collection, alert triggering, and visualization of price trends.

Smart Screen Voice — Accessible Screen Summarizer & TTS for Blind Users
- Designed and implemented an end-to-end pipeline that captures screen content, performs OCR, and preprocesses text for downstream NLP tasks.
- Integrated real-time TTS (text-to-speech) to vocalize summaries and navigational cues with low latency for seamless interaction.
- We are still working on this project as this this project course ends in December 2025. We use transformers for the analysing and processing.