Om Nankar

om.nankar@gmail.com | www.linkedin.com/om-nankar | +1 (716) 330-9629 | Buffalo, NY

EDUCATION

Master of Science in Engineering Science: Data Science December 2025
University at Buffalo, The State University of New York

Bachelor of Technology: Information Technology June 2023
Symbiosis Institute of Technology, Pune
- Cumulative GPA: 8.6/10

SKILLS

- **Programming Languages**: Python, R, SQL, MATLAB.
- **Machine Learning**: Python packages (scikit-learn, numpy, pandas, matplotlib, PyTorch, plotly, fpdf), CNNs, Image recognition, Object Detection
- **Data Science Tool & Technologies**: Data science pipeline, Statistics, Git, VSCode, Power BI, Tableau, Dataiku, Microsoft Excel

PROFESSIONAL EXPERIENCE

Data Scientist, Wolters Kluwer, Pune, India January 2023-August 2024
- Developed an automated rate card generating system for the annual price increase, where end to end pdf rate cards are generated, optimizing the older process and saving 5-7 business days.
- Automated financial reports for the Finance Centre of Excellence regarding attrition and revenue using python and integrated it with Power BI and Tableau dashboards for senior leadership to review KPIs.
- Communicated with stakeholders on a regular basis to understand revenue and pricing requests for automation and creating error free and faster reports.
- Streamlined expense reporting for multiple business units by maintaining a centralized directory of mappings.

Research Intern, Symbiosis Centre for Applied Artificial Intelligence, Pune, India June 2022-August 2023
- Authored six research papers on various fields like medical image analysis for dementia detection to objection detection for public safety, published on IEEE Access and Springer Multimedia Tools and Applications journal.
- Collaborated with professors from UCSI University on an international project analyzing Lyme disease detection techniques, published in Smart Trends in Computing and Communications journal
- Presented findings at the International Conference on Artificial Intelligence and Smart Communication (AISC) 2023.

PROJECTS

- **Deep learning approaches for Lyme disease detection: leveraging progressive resizing and self-supervised learning models** | *Python, PyTorch, Transfer learning, Pro GANs*
- **Enhancing Traffic Sign Detection and Classification through Multi-Task Learning Using CNNs** | *Python, TensorFlow, CNNs*
- **Comparing Object Detection Models for Public Safety** | *Python, YOLO, Faster R-CNN, Detectron*
- **A Novel AI-Based System for Detection and Severity Prediction of Dementia Using MRI** | Python, scikit-learn, medical image analysis
- **Black Friday Sales Prediction using Supervised Machine Learning** | *Python, Supervised ML, Research*
- **An Innovative Way of Building Website Using HCI Principles** | *HTML, CSS, JavaScript, UX principles*

ACHIEVEMENTS

- Academic Excellence Award for securing 1st position (Batch 2019-23) at Symbiosis Institute of Technology
- Merit Scholarship holder, Symbiosis International University (SIU)
- Finalist at the National Entrepreneurship Challenge (NEC) - IIT Bombay, 2020