Shreyas Nikam

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EDUCATION

Northeastern University | Master of Science in Artificial Intelligence   September 2021 - May 2023
- GPA: 4.0/4.0
- Coursework: Algorithms, Data Mining Techniques, Foundations of Artificial Intelligence, Machine Learning, Natural Language Processing, Pattern Recognition and Computer Vision, Human-Computer Interaction.

EXPERIENCE

Graduate Teaching Assistant   January 2022 - April 2023
Northeastern University
- Instructed and facilitated undergraduate and graduate-level courses in Human-Computer Interaction and provided weekly one-on-one support and tutoring (Office Hours) to an average of 8 students per week.
- Collaborated with faculty and other TAs to develop and implement interactive and engaging classroom activities, resulting in a **25% increase in student engagement and a 20% increase in overall course ratings**.

Data Research Intern   January 2021 - June 2021
Gladius Ventures
- Developed and implemented web scraping scripts to monitor events, ensuring the identification of untapped market opportunities and a **12% increase in event attendance** measured by ticket sales data.
- Leveraged natural language processing techniques to analyze event feedback data, identifying key areas of improvement causing a **17-point increase** in attendee satisfaction ratings based on post-event surveys.
- Generated customized reports for event sponsors utilizing data segmentation and visualization techniques, **increasing 15% sponsor retention and 20% sponsor satisfaction ratings** as reported by sponsors' feedback.

Software Development Intern   June 2019 - January 2020
TechSquare
- Strengthened data collection protocols for IoT sensors, resulting in a **20% increase in the accuracy** of collected data as measured by comparisons to manually recorded data.
- Upgraded open-source IoT platform ThingsBoard to refine data collection and visualization capabilities, by creating 5 customer-tailored dashboards with over 10 personalized widgets for each customer.
- Spearheaded the development of a web-based inventory management system for a pharmaceutical company, automating ordering processes, and reducing **inventory holding costs by 3**

PROJECTS

Bokehlicious   September 2022 - December 2022
Northeastern University | Boston, MA
- Developed a deep learning-based method for creating shallow depth of field in images with an accuracy of 0.993 deploying U-Net architecture and post-processing techniques.
- Remodeled portrait segmentation and depth estimation to achieve bokeh effect like portrait mode in smartphones.
- Trained and evaluated model on NYU Depth dataset and PFCN dataset attaining 0.89 average model accuracy.

SKILLS

Languages:	Python, C++, Java, Javascript, SQL, HTML5, MATLAB.
Frameworks:	TensorFlow, Keras, PyTorch, NumPy, SciPy, Matplotlib, Pandas, Seaborn, OpenCV.
MLOps:	Git, GitHub, Linux, Unix, AWS Sagemaker, Airflow, Docker, Selenium, Microsoft Azure.
Databases:	MongoDB, MySQL, SQLite3, Firebase.
Certifications:	Machine Learning - Coursera, AWS Fundamentals - Building Serverless Applications - Coursera, Deep Learning Inference with Azure ML Studio - Coursera, Data Visualization - Kaggle