Vedant Sewak Lanjewar

 linkedin.com/in/vedant-lanjewar-090999/

 github.com/vedantlanjewar

 +1–223–240–1020

 vsl5052@psu.edu

Education

Master of Science in Computer Science	Expected Date of Completion: May. 2024
Pennsylvania State University (Penn State)	CGPA: 3.61/4.00

Bachelor of Engineering in Computer Engineering	Date of Completion: May 2022
Rajiv Gandhi Institute of Technology, India	CGPA: 8.92/10.00

Professional Experience/ Internships

Data Science Intern at Jackett — March 2022 - May 2022

Docker Products, ROI Optimization, ROI Strategies, Computer Vision, Data Analysis
- Enhanced data quality and accessibility through preprocessing and custom model development. Streamlined processes with automation and improved decision-making through visualization.

Data Analyst Intern at GlobalShala — November 2021 - December 2021

Microsoft PowerPoint, Statistics, Presentation Skills, Tableau, Data Analysis
- Elevated data communication with impactful visuals and optimized data utilization through comprehensive information gathering, transformation, and presentation for informed decision-making.

RESEARCH

Graduate Research Assistant, under Dr. Truong X. Tran — August 2022 - December 2022

Artificial Intelligence (AI), Computer Vision, Deep Learning, Python, Data Analysis
- Collaborated with Dr. Truong X. Tran on an **innovative computer vision method** to diagnose upper-body movement issues in humans, which has the potential to significantly advance human movement diagnostics.

PUBLICATION

Real Time Network Intrusion Detection using Machine Learning Technique — January 2023

Real Time Anomaly Detection, NSL-KDD dataset, Decision Tree, Wireshark, Packet Sniffing
- Developed a machine learning-based network security solution with **rapid anomaly detection** and comprehensive threat response capabilities, bolstering cybersecurity through our Intrusion Detection System (IDS).

PROJECTS

Classification Of Upper Body Joint Movements Using Pose Estimation — December 2022

Artificial Intelligence (AI), Computer Vision, Data Analysis
- Implemented an innovative method using the Media Pipe library to track joint movement, extracting landmark points from video for VGG16-based classification of movements into normal and abnormal categories with **accuracy of 83.33%**

Recommending Removal of Ad Campaign — December 2021

Data Analysis
- Recommended improving profitability through data-driven decision-making via advanced data analysis, visualization, and clear communication within the marketing team.

CERTIFICATION

Tableau Fundamentals: Tableau, **Machine Learning**: Stanford University – Coursera, **Microsoft Technology Associate for "Introduction to Programming using Python"**: Microsoft, **Specialization on "Python for Everybody"**: University of Michigan–Coursera,

TECHNICAL SKILLS

Languages: Python, Java, C, SQL and NoSQL, JavaScript, HTML and CSS, R
Libraries: pandas, NumPy, Matplotlib, sklearn, torch, tensorflow, OpenCV
Tools and Technologies: Tableau, Matlab, Octave, Azure for ML/AI, Jupyter Notebook, MySQL Workbench, Visual Studio Code
Area of Expertise: Python Programming, Web Development, Machine Learning, Data Analysis