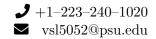
Vedant Sewak Lanjewar

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

github.com/vedantlanjewar



Education

Master of Science in Computer Science

Pennsylvania State University (Penn State)

Bachelor of Engineering in Computer Engineering

Rajiv Gandhi Institute of Technology, India

Expected Date of Completion: May. 2024

CGPA: 3.61/4.00

Date of Completion: May 2022

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