ANIRUDH THATIPELLI

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EDUCATION

University of California, Riverside Sep. 2022 - Dec. 2023
Masters in Computer Science
Relevant Courses: Big Data Management, Scientific Computing, Natural Language Generation, Machine Learning
Shiv Nadar University, Noida, India 2015 - 2019
Bachelor of Technology, Computer Science and Engineering Minor in Mathematics
Relevant Courses: Analysis of Algorithms, Linear Algebra, Probability and Statistics, Database Management Systems

SKILLS

Machine Learning	PyTorch, Scikit-image, Tensorflow, Scikit-learn, Pandas, Numpy, OpenCV, Scipy
Languages and Databases	Python, C++, C, HTML, CSS, Java, Matlab, MySQL
Application Tools	Git, Bash scripting, MeshLab, Latex, Jira, Jupyter, AWS, GCP, Ubuntu

PROFESSIONAL EXPERIENCE

Dell Technologies Jan - Apr 2019
Software Development Engineering Intern Hyderabad

- Implemented Softlink Functionality to interchange units across orders having the same configuration and improve the order completion process.
- Developed BreakGlass Server Access Tool to automate server access check for users in **1/6th** the original time.
- Developed UI of a Bartender web app to visualize the movement of goods along different lines in the factory.

RESEARCH EXPERIENCE

Spatio-temporal Relation Modeling for Few-shot Action Recognition August 2021 - March 2022
Research Intern, Mohamed bin Zayed University of Artificial Intelligence, UAE

- Proposed a novel spatio-temporal enrichment module, **STRM**, based on **attention** and **MLP-mixing** techniques for the problem of few-shot action recognition.
- Achieve an absolute gain of **3.5 %** over previous SOTA on the challenging Something-Something dataset. Paper accepted at **Conference on Computer Vision and Pattern Recognition (CVPR), 2022** [Link].

Skeleton Action Recognition In The Wild May 2019 - June 2021
Research Assistant, International Institute of Information Technology, Hyderabad

- Implemented sequence-based Deep Learning Models to learn skeletal human actions in outdoor, real-world settings.
- Curated 3D pose annotated datasets, consisting of over **100,000** samples and presented baselines to include **exaggerated** action sequences. Accepted at **International Journal of Computer Vision (IJCV), 2021** [Link].

TECHNICAL PROJECTS

PetFinder.my Adoption Prediction Kaggle Competition

- Combined textual attributes with the visual features to predict the speed of a pet being adopted. Leveraged **XGBoost** model to predict adoption speed. Ranked **125th** out of **2023** teams and awarded the **Bronze** medal.

Freesound Audio Tagging Kaggle competition

- Implemented a **deep CNN with Squeeze Excitation block** to classify audio data across **80 categories** and attained a rank **237th** out of **880** teams.