Giffy Chris

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Working towards a career in Computer Vision and Machine Learning, which would help me delve deeper into the subject and contribute more to the organization and community.

Research & Projects:

VLM Lab @ UTA under Dr. Vassilis Athitsos
- Working on my master's thesis which involves efficiently annotating hand-poses using a semi-automated approach. Thesis link
- The project focuses on selecting a minimum number of reference frames to be manually annotated by a user which is representative of the entire dataset. This would lead to accurate propagation of 3D annotations to the rest of the frames.

Komodo API for Java under Dr. Sajib Datta
- API for easy Komodo integration. Project links here, which is published on their website.
- StakeHouse: **Awarded scholarship by Komodo** for developing a blockchain casino.

Computer Vision Project: Identifying empty parking spaces from CCTV cameras by calculating Intersection over union over cars and parking spaces. Report link

Reinforcement Learning Project: Designed and trained various Deep Q-Learning models to play Atari Pacman and Gym games like Acrobot and Cartpole.

Work Experience

Accenture Services Pvt. Ltd. - Team Leader, Technical Consultant; (October '11 - January '19)
- Team leader at Accenture's Utilities Innovation Lab: Incharge of researching new technologies in AI and developing scalable prototypes for the International Utilities industry.
- Helped with sales pitch; Presented the technical side of projects during sales pitches to prospective client CEOs.
- CV Project: Trained a Mask-RCNN model to identify construction sites in remote areas of India in satellite images. This helped one of India's leading cement manufacturers with sale of cement.
- NLP - IOT Project: Developed virtual agents for Duke energy using Azure cloud and a DialogFlow agent to solve personal user queries by integrating it with webhooks and a database.
- IOT Project: Co-venture between various utility companies to automate voltage fluctuation stabilization in the grid using RaspberryPi. Presented at the DistribuTECH Conference.

Education
- Master's in Computer Science at **University of Texas at Arlington** - (Dec '20)
- Bachelor of Engineering in Computer Science at **Mumbai University** - (Jun '11)

Skills
- Areas of Expertise: Machine Learning, Computer Vision, Data Analysis
- Soft skills: Team management, mentoring, technical presentations and communication skills
- Technical: Python, TensorFlow, Numpy, SciPy, matplotlib, Keras, DialogFlow, Scikit, OpenCV

Certifications & Awards
- Coursera: Deep Learning.ai
- Awarded scholarship by KomodoPlatform
- "Accenture Celebrates Excellence" awarded for - exemplary performance, innovation and teamwork.
- Represented the city of Mumbai for speed skating competitions.