Aditya Arun

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https://adityaarun1.github.io/

EDUCATION

International Institute of Information Technology (IIIT), Hyderabad
Ph.D., Computer Science and Engineering   2016 - Present[1]
Advisors: Prof. C.V. Jawahar & Prof. M. Pawan Kumar
CGPA: 8.14

International Institute of Information Technology (IIIT), Hyderabad
M.S., Computer Science and Engineering   2014 - 2016
Advisor: Prof. C.V. Jawahar
(Transferred to Ph.D. program)

Birla Institute of Technology (BIT), Mesra
B.E., Computer Science and Engineering   2009-2013
Advisor: Prof. Soumya Banerjee
Result: First Class with Distinction

EXPERIENCE

Cognizer.ai
Senior Research Analyst and Advisor   July 2021 - August 2022

Drishyam.ai (acquired by Mediaocean)
Chief Technology Officer   June 2018 - April 2020

IBM India Pvt. Ltd.
Associate System Engineer   June 2013 - July 2014
Role: Data Specialist

PUBLICATIONS *Aditya Arun*, C.V. Jawahar, M. Pawan Kumar. **Weakly Supervised Instance Segmentation by Learning Annotation Consistent Instances**, In Proceedings of European Conference on Computer Vision (ECCV), 2020.

Aditya Arun, C.V. Jawahar, M. Pawan Kumar, **Dissimilarity Coefficient Based Weakly Supervised Object Detection**, In Proceedings of the IEEE Conference on Computer Vision and Pattern Recognition (CVPR), 2019.

Aditya Arun, C.V. Jawahar, M. Pawan Kumar, **Learning Human Poses from Actions**, In Proceedings of the British Machine Vision Conference (BMVC), 2018.

INTERNSHIPS ***Recovery of 3D Structure based on Point Correspondences***
Adviser: *Prof. Anoop M. Namboodiri*   May - July, 2012
Center for Visual Information Technology, IIIT Hyderabad

Human Computer Interaction
Advisers: *Mr. Jitendra Bhardwaj and Prof. K.S. Venkatesh*   June - July, 2011
Innosium Technologies & Department of Electrical Engineering, IIT Kanpur

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[1]I was on medical leave from April 2020 to November 2023

MAJOR PROJECTS	***Open Domain Conversational Question Answering and Similarity Search using Multi-Model Vector Database System and Knowledge Graph***
	Cognizer.ai July 2021 - August 2022

**MAJOR
PROJECTS**

Open Domain Conversational Question Answering and Similarity Search using Multi-Model Vector Database System and Knowledge Graph
Cognizer.ai   July 2021 - August 2022

Text to Gremlin/Cypher: A Natural Language Interface to Graph Databases
Cognizer.ai   July 2021 - August 2022

Learning Out of Distribution Fine-Grained Object Detection Model
Drishyam.ai   June 2018 - July 2020

Search and Exploration Task for Multi-Robot System: A Social Learning Approach - Final Year Project
Adviser: *Prof. Soumya Banerjee*   July 2012 - April 2013
Birla Institute of Technology, Mesra

**AWARDS AND
FELLOWSHIPS**

– Awarded outstanding reviewer award for CVPR 2021
– Awarded Google travel support for CVPR 2019
– Awarded Visvesvaraya PhD Fellowship for PhD research and studies.
– Awarded IIIT Hyderabad Institute Fellowship for MS by Research (CSE) and PhD (CSE) research program.
– Awarded *CSE Department Award* for best final year project at *BIT Mesra*.
– Merit award for securing 7th position in the class of 118 students in B.E., Department of CSE, at *BIT Mesra*. (Awarded to top 10% students in each department).
– Won 3rd prize (among 84 teams from across India) in Microsoft Garage Hackathon, 2017 for our project *Daredevil* - which brings human echolocation to the masses using a smartphone camera.

**OTHER
ACTIVITIES**

– Reviewer for TPAMI, CVIU, TMM, CVPR, ICCV, ACCV, WACV, ICVGIP, NCVPRIPG
– Teaching assistant for Summer School on Computer Vision and Summer School on Machine Learning held at IIIT Hyderabad from 2016-2023
– Server system admin at CVIT, IIIT Hyderabad from 2015-2018
– Teaching volunteer (Math and Science) at Aasha Kiran from 2015-2018 (Asha Kiran a ray of Hope, is a school run by IIIT-H students for kids from nearby slums)

**EXTRA
CURRICULAR
ACTIVITIES**

– Participated in various online coding judges like Sphere Online Judge (Spoj) and TopCoder.
– Two time inter-state Karate champion in light-weight catagory.
– Brown Belt (2nd Kyu) holder in Kyukushin Karate.
– Actively participated in various sports tournaments in college.

REFERENCES

Prof. C.V. Jawahar, IIIT Hyderabad
Prof. M. Pawan Kumar, University of Oxford and Deepmind