

Yaman Kumar

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Experience

Software Development Engineer (MTS) | Adobe

Jun 2018 - Present

CLOUD TECHNOLOGY

- In a team of three, am designing and implementing the multi-threaded architecture which supports Adobe Cloud Platform (ACP) SDK present in all Adobe apps.
- Responsible for the design and maintenance of ACP-SDK which supports all Adobe apps making them ready for *Cloud-First*

Research Intern | Collaboration between IIIT-Delhi and NUS

Dec 2017 - Present

MIDAS LAB (IIIT-D) AND MEDIA MANAGEMENT RESEARCH LAB (NATIONAL UNIVERSITY OF SINGAPORE)

- Worked on several multimedia projects including Audio-Visual Speech Recognition and Reconstruction
- Worked on some NLP problems including about word embeddings, sentiment analysis and computational linguistics

Research Intern | Aspiring Minds

Dec 2017 - Feb 2018

ASPIRING MINDS RESEARCH LABS

- Developed a Machine Learning based model for automated grading of Emails and Essays

Software Development Intern | Arista Networks

May 2017 - July 2017

CLOUD TECHNOLOGY

- Implemented BFD Protocol support for Static Routes on Multi Agent Scalable Architecture

Education

Delhi University | Netaji Subhas Institute of Technology (NSIT)

B.ENG. COMPUTER ENGINEERING (HONORS)

July 2014 - May 2018

- Percentage : 80.04%/100

Top 10% of the Department

Publications

Harnessing AI for Speech Reconstruction using Multi-view Silent Video Feed

PUBLISHED AT ACM MULTIMEDIA (ACMMM) 2018

2018

Yaman Kumar, Mayank Aggarwal, Pratham Nawal, Shin'ichi Satoh, Rajiv Ratn Shah, Roger Zimmerman

MyLipper : A Personalized System for Speech Reconstruction using Multi-View Visual Feeds

Best Poster Runner-up (i.e. 2nd Position)

PUBLISHED AT INTERNATIONAL SYMPOSIUM OF MULTIMEDIA (ISM) 2018

2018

Yaman Kumar, Rohit Jain, Khwaja Mohd. Salik, Rajiv Ratn Shah, Yifang Yin, Roger Zimmerman

IceBreaker: Solving Cold Start Problem for Video Recommendation Engines

PUBLISHED AT INTERNATIONAL SYMPOSIUM OF MULTIMEDIA (ISM) 2018

2018

Yaman Kumar, Agniv Sharma, Abhigyan Khaund, Akash Kumar, Ponnurangam Kumaraguru, Rajiv Ratn Shah

DeepLip: Speaker Independent Speech Synthesis using Multi-View Lipreading

2019

ACCEPTED AS A STUDENT ABSTRACT AND POSTER AT AAAI 2019

Rohit Jain, Yaman Kumar, Khwaja Mohd. Salik, Swati Aggarwal, Rajiv Ratn Shah, Roger Zimmerman

Lipper: Synthesizing Thy Speech using Multi-View Lipreading

ACCEPTED AT AAAI 2019

2019

Yaman Kumar, Rohit Jain, Khwaja Mohd. Salik, Rajiv Ratn Shah, Yifang Yin, Roger Zimmerman

Get IT Scored using AutoSAS - An Automated System for Scoring Short Answers

ACCEPTED AT AAAI 2019

2019

Yaman Kumar, Swati Aggarwal, Debanjan Mahata, Rajiv Shah, Ponnurangam Kumaraguru, Roger Zimmermann

Mind Your Language: Abuse and Offense Detection for Code-Switched Languages

ACCEPTED AS A STUDENT ABSTRACT AND POSTER AT AAAI 2019

2019

Raghav Kapoor, Yaman Kumar, Kshitij Rajput, Rajiv Ratn Shah, Ponnurangam Kumaraguru, Roger Zimmermann

BHAAV - A Text Corpus for Emotion Analysis from Hindi Stories

SUBMITTED TO NAACL 2019

2019

Yaman Kumar, Debanjan Mahata, Sagar Aggarwal, Anmol Chugh, Rajat Maheshwari, Shivli Agrawal, Rajiv Ratn Shah, Roger Zimmermann

GANs Enhanced Pose Invariant Speech Reconstruction

SUBMITTED TO ACMMM 2019

2019

Yaman Kumar, Dhruva Sharawat, Mansi Aggarwal, Debanjan Mahata, Rajiv Ratn Shah, Roger Zimmerman

GANs Enhanced Vocabulary Supplementation of Lipreading

SUBMITTED TO SIGKDD 2019

2019

Yaman Kumar, Vipin Chaudhary, Shubham Maheshwari, Dhruva Sharawat, Praveen Kumar Jhanwar, Debanjan Mahata, Rajiv Ratn Shah

Harnessing Weak Supervision Signals for Boosting Lipreading

SUBMITTED TO ACL 2019

2019

Yaman Kumar, Shubham Maheshwari, Debanjan Mahata, Rajiv Ratn Shah, Amanda Stent

Patents

GANs Enhanced Pose Invariant Audio-Visual Speech Recognition

US PATENT APPLIED BY ADOBE

Certificates and Other Awards

- Best poster paper runner up (*i.e.* 2nd position) award at ISM-2018
- American Express Campus Connect Coding Challenge– 2nd rank
- Granted fellowship by Engineering Watch
- Awarded Academic Excellence Award for 7 consecutive years(2007 - 14)
- Granted merit scholarship for two consecutive years 2014, 2015

Service to the community

Served as a reviewer for the conferences

ICME 2019

Served as a reviewer for the workshops

MR2AMC 2018

Have been serving as a volunteer at Louise Braille Blind welfare Society, India

[2016-2019]

References

Rajiv Ratn Shah

Professor
IIIT-Delhi
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Roger Zimmermann

Professor
National University of Singapore
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Debanjan Mahata

Senior Research Scientist
Bloomberg
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Yifang Yin

Postdoc Candidate
National University of Singapore
yifang@comp.nus.edu.sg