

# RUDRABHA MUKHOPADHYAY

## PERSONAL DATA

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DATE OF BIRTH: 12/07/1996  
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LINKEDIN PROFILE: <https://www.linkedin.com/in/rudrabha-mukhopadhyay-b52b86156/>

## WORK EXPERIENCE

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AUGUST, 2018 to CURRENT	<b>PhD at CVIT, IIIT Hyderabad</b> <b>Supervisors: Professor C.V. Jawahar, Professor Vinay Namboodiri</b> Joined as a PhD scholar in August, 2018. Currently working on audio-visual deep learning. Attempted problems include creating speech-to-talking face videos (2 papers published), lip-to-speech (1 paper published, 1 under submission) and audio-visual speech enhancement (1 paper published). Also worked on dataset collection for text-to-speech systems (1 paper published).
JUNE, 2018	<b>Long Term Intern at Applied Research Laboratory, IIIT Hyderabad</b> <b>Under Professor C.V. Jawahar.</b> Joined the laboratory in June, 2018. Implemented different deep learning frameworks in Tensorflow. Also attended both the CV and ML summer schools during this period.
JUNE 2017	<b>Internship at CSIR-CEERI, Pilani.</b> <b>Under Professor Santanu Chaudhuri.</b> Worked on image enhancement algorithms including super resolution, denoising and image inpainting. Published three papers in national and international conferences.
DECEMBER 2016	<b>Winter Internship at IIT Kharagpur.</b> <b>Under Professor Soumya Kanti Ghosh.</b> A java based application for face clustering. The whole application was built from scratch. The application first stored images captured by a camera based on the data and time of capture. The next step was to detect all faces
JUNE 2016	<b>Summer Internship at IIT Kharagpur.</b> <b>Under Professor Soumya Kanti Ghosh.</b> Developed android applications which used DBMS concepts to maintain a database containing location. A second application was used to retrieve the locations and plot them on Google maps to display live location of users.
JUNE 2015	<b>Summer Internship at IIT Kharagpur.</b> <b>Under Professor Partha Pratim Das.</b> An android application was developed to detect and separate out text regions from a given image.

## EDUCATION

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- CURRENT Ph.D. in COMPUTER SCIENCE AND ENGINEERING,  
**International Institute of Information Technology, Hyderabad**,  
Supervised by Prof. C.V. Jawahar and Prof. Vinay Namboodiri,
- JUNE 2018 B.Tech in COMPUTER SCIENCE AND ENGINEERING,  
**Heritage Institute of Technology, Kolkata**,  
(Under Maulana Abul Kalam Azad University of Technology),  
DGPA: 7.63/10
- APRIL 2014 ALL INDIA SENIOR SCHOOL CERTIFICATE EXAMINATION  
**DAV Model School, IIT Kharagpur**  
PERCENTAGE OBTAINED: 93%
- APRIL 2012 ALL INDIA SECONDARY SCHOOL EXAMINATION  
**DAV Model School, IIT Kharagpur**  
CGPA: 9.6/10  
PERCENTAGE OBTAINED: 91.2%

## PUBLICATIONS (8 PUBLISHED, 1 UNDER REVIEW)

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1. Prajwal K R\*, **Rudrabha Mukhopadhyay\***, Vinay Namboodiri and Jawahar C V, "A Lip Sync Expert Is All You Need for Speech to Lip Generation In the Wild", ACM Multimedia, 2020.
2. **Rudrabha Mukhopadhyay\***, Prajwal K R\*, Sindhu Hegde\*, Vinay Namboodiri and Jawahar C V, "Lip-to-speech For Any Speaker With Limited Data", CVPR, 2021 (**UNDER REVIEW**).
3. Sindhu Hegde\*, Prajwal K R\*, **Rudrabha Mukhopadhyay\***, Vinay Namboodiri and Jawahar C V, "Visual Speech Enhancement without a Real Visual Stream", WACV, 2021.
4. Prajwal K R\*, **Rudrabha Mukhopadhyay\***, Vinay Namboodiri and Jawahar C V, "Learning Individual Speaking Styles for Accurate Lip to Speech Synthesis", CVPR, 2020.
5. Prajwal K R\*, **Rudrabha Mukhopadhyay\***, Jerin Philip, Abhishek Jha, Vinay Namboodiri and Jawahar C V, "Towards Automatic Face-to-Face Translation", ACM Multimedia, 2019, Nice, France.
6. Nimisha Srivastava, Prajwal K R\*, **Rudrabha Mukhopadhyay\*** and Jawahar C V, "Indic-Speech: Text-to-Speech Corpus for Indian Languages", LREC, 2020.
7. Manoj Sharma **Rudrabha Mukhopadhyay**, Avinash Upadhyay, Sriharsha Koundinya, Ankit Shukla, Santanu Chaudhury (2018) "Irgun: Improved residue based gradual up-scaling network for single image super resolution", The IEEE Conference on Computer Vision and Pattern Recognition (CVPR) Workshops. Volume: 8.
8. Sriharsha Koundinya, Himanshu Sharma, Manoj Sharma, Avinash Upadhyay, Raunak Manekar, **Rudrabha Mukhopadhyay**, Abhijit Karmakar, Santanu Chaudhury (2018) "2D-3D CNN based architectures for spectral reconstruction from RGB images", IEEE/CVF Conference on Computer Vision and Pattern Recognition Workshops (CVPRW).

9. Manoj Sharma, **Rudrabha Mukhopadhyay**, Santanu Chaudhury, Brejesh Lall (2017) "An End-to-End Deep Learning Framework for Super-Resolution Based Inpainting", Computer Vision, Pattern Recognition, Image Processing, and Graphics: 6th National Conference, NCVPRIPG 2017, Mandi, India, December 16-19, 2017, Revised Selected Papers 6, 198-208.

## AWARDS

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**Google Travel Grant** Was awarded a grant of 2000\$ For attending ACM Multimedia, 2019 in Nice, France.

## SKILLS

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Proficient in TENSORFLOW, KERAS, PYTORCH, PYTHON, C++, C, JAVA, MySQL

## REFERENCES

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- Professor C.V. Jawahar, IIIT Hyderabad.
- Professor Vinay Namboodiri, IIT Kanpur.
- Professor Santanu Chaudhuri, Director, IIT Jodhpur.

Letter of recommendation from Professor Santanu Chaudhuri is uploaded in: <https://drive.google.com/open?id=1DzuNWk2DCSwSqm2Zjx2rkew6t8YdIWOM>