Minesh Mathew

PhD in Computer Science
at IIIT Hyderabad
Advisor: Prof. CV Jawahar

Center for Visual Information Technology (CVIT)
IIIT Hyderabad, 500032, Hyderabad, India
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Skills

PROGRAMMING
Python

LIBRARIES
Pytorch, Keras,
scikit learn, opencv

Coursework

Machine Learning
Computer Vision
Neural Networks
Optimization Methods
Speech Systems
Digital Image Processing

Education

2016-2023
PHD IN CSE
IIIT Hyderabad

2013-2016
MS BY RESEARCH IN CSE
IIIT Hyderabad

2005-2009
BTECH CSE
NIT Warangal

Experience

2023 - PRESENT **Wadhwani AI**   **Machine Learning Scientist**
I look into solving problems in Public health space using Computer Vision and Document image analysis.

2016-2023 **CVIT, IIIT Hyderabad**   **Graduate research assistant**
Worked on multiple projects in Document image analysis space and co-mentored MS research students.

2013-2016 **CVIT, IIIT Hyderabad**   **Trainee Engineer**
The project was MCIT, GoI funded, aimed at developing OCRs for Indian languages. My role was to improve upon existing SVM based system that requires sub-word segmentation of word images.

2009-2011 **S&P Global Market Intelligence**   **Business Analyst**
My work included collecting requirements from the clients, draft software design documents and most importantly to work as a liaison between the tech team and the clients/users.

Achievements/Awards

2021 Outstanding reviewer, ICCV 2021
2017 Best Paper; Int'l Workshop on Arabic Script Analysis and Recognition
2016 TCS PhD fellowship
2015 Runner up - Micorosoft Azure ML Hackathon held at IIIT Hyderabad

Academic Services

- Reviewer for conferences — CVPR 2022, ECCV 2022, ACCV 2022, SIGGRAPH 2022, ICCV 2021, WACV 2021,22, and ICDAR 2021 and journals — PR, TPAMI, Visual Computer, Concurrency and Computation, and IEEE TNNLS
- *2021* Organizer - NewsvideoQA and Road text challenges at ICDAR 2023
- *2021* Organizer - DocVQA workshop and DocVQA challenge at ICDAR 2021
- *2020* Organizer and Challenge Chair, Text and Documents in the Deep Learning Era Workshop, CVPR 2020
2019 Organizer, Scene text VQA challenge, ICDAR 2019

Selected Publications

- Minesh Mathew and CV Jawahar, An empirical study of CTC based models for OCR of Indian languages, arXiv 2022
- Minesh Mathew, V Bagal, R Tito, D Karatzas, E Valveny and CV Jawahar, InfographicVQA, WACV, 2022
- Minesh Mathew, L Gomez, D Karatzas and CV Jawahar, Asking Questions on Handwritten Document Collection, ICDAR-IJDAR special issue, 2021
- Minesh Mathew, D Karatzas and CV Jawahar, DocVQA: A Dataset for VQA on Document Images, WACV 2021
- Sangeeth Reddy, Minesh Mathew, L Gomez, M Rusinol, D Karatzas and CV Jawahar, RoadText-1K: Text Detection and Recognition Dataset for Driving Videos, ICRA 2020