K. V. Jobin, Ph.D.

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🌐 https://jobinkv.github.io

Employment History

2024 – ····   📕 **AI/ML Engineer,** Bourntec Solutions.

2015 – 2023   📕 **Graduate researcher,** IIIT-Hyderabad.
Working on multiple projects in Document image analysis space.

2013 – 2015   📕 **Trainee Engineer** IIIT-Hyderabad.
The project was MCIT, GoI funded, aimed at developing OCRs for Indian languages. My role was to improve the document layout segmentation.

Education

2013 – 2023   📕 **Ph.D. in ECE, IIIT Hyderabad** CV,ML, AI
Thesis title: *Document Image Layout Segmentation and Applications.*

2011 – 2013   📕 **M.tech., CET Trivandrum.** in Signal Processing.
Thesis title: *Automatic Number Plate Detection and Extraction.*

2006 – 2010   📕 **B.tech. CEA Adoor** in Electronics and communication.

Awards and Achievements

2024   📕 **Paper Award Finalist**, IEEE/CVF Winter Conference on Applications of Computer Vision (WACV-2024).

2022   📕 **IAPR Best paper award**, 6th IAPR International Conference on Computer Vision & Image Processing (CVIP-2021).

2015   📕 **Visvesvaraya PhD fellowship**, IIIT-Hyderabad.

📕 **Runner up** - Microsoft Azure ML Hackathon held at IIIT Hyderabad.

2011   📕 **GATE Scholarship**, CET, Trivandrum.

Research Publications

Journal Articles

1. K. V. Jobin, A. Mondal, and C. V. Jawahar, "Document image analysis using deep multi-modular features," *SN Computer Science*, vol. 4, no. 1, p. 5, 2022. 🔗 URL: https://link.springer.com/article/10.1007/s42979-022-01414-4.

Conference Proceedings

1. K. V. Jobin, A. Mishra, and C. V. Jawahar, "Semantic labels-aware transformer model for searching over a large collection of lecture-slides," in *Proceedings of the IEEE/CVF Winter Conference on Applications of Computer Vision*, 2024, pp. 6016–6025. 🔗 URL: https://openaccess.thecvf.com/content/WACV2024/html/Jobin_Semantic_Labels-Aware_Transformer_Model_for_Searching_Over_a_Large_Collection_WACV_2024_paper.html.

2 K. V. Jobin, A. Mondal, and C. V. Jawahar, "Classroom slide narration system," in *International Conference on Computer Vision and Image Processing*, Springer, 2021, pp. 135–146. 🔗 URL: https://link.springer.com/chapter/10.1007/978-3-031-11349-9_12.

3 K. V. Jobin, A. Mondal, and C. V. Jawahar, "Docfigure: A dataset for scientific document figure classification," in *2019 International Conference on Document Analysis and Recognition Workshops (ICDARW)*, IEEE, vol. 1, 2019, pp. 74–79. 🔗 URL: https://ieeexplore.ieee.org/abstract/document/8892905/.

4 K. V. Jobin and C. V. Jawahar, "Document image segmentation using deep features," in *Computer Vision, Pattern Recognition, Image Processing, and Graphics: 6th National Conference, NCVPRIPG 2017, Mandi, India, December 16-19, 2017, Revised Selected Papers 6*, Springer, 2018, pp. 372–382. 🔗 URL: https://link.springer.com/chapter/10.1007/978-981-13-0020-2_33.

5 K. V. Jobin, C. V. Jiji, and P. R. Anurenjan, "Automatic number plate recognition system using modified stroke width transform," in *2013 Fourth National Conference on Computer Vision, Pattern Recognition, Image Processing and Graphics (NCVPRIPG)*, IEEE, 2013, pp. 1–4. 🔗 URL: https://ieeexplore.ieee.org/abstract/document/6776246/.

Skills

Coding	🔖	Java, PHP, Python, MAtlab, SQL, XML/XSL, LaTeX, …
Library	🔖	Pytorch, Keras, scikit learn, opencv, …
Misc.	🔖	Academic research, teaching, training, consultation, LaTeX typesetting and publishing.

References

Available on Request