

Contact

jjyotidabas91@gmail.com

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github.com/jyotidabass (Personal)

Top Skills

Machine Learning
Deep Learning
Fuzzy Logic

Languages

Hindi, English, Sanskrit, Punjabi

Certifications

Build an App in Android Studio using Static Files
Building Smart Business Assistants with IBM Watson
Improve Efficiency in Asana for Project Managers
Python for Data Science and AI
Network Data Science with NetworkX and Python

Honors-Awards

Machine Learning Specialization
<https://www.coursera.org/account/accomplishments/specialization/certificate/2RJU4KVXCW63>
IBM Data Science Professional Certificate, <https://www.coursera.org/account/accomplishments/specialization/certificate/WGP85Q8B497Z>
AI for Medicine Specialization
Introduction to Data Science Specialization
Applied Data Science Specialization

Publications

Proposed SRAM Cell Using Low Power Schmitt Trigger in Subthreshold Region Which Adapts Its Own Threshold

Jyoti Dabass, Ph.D

IIT Delhi|Sony Research|Data Science| Video, audio, speech, image processing| Fuzzy| Deep Learning|Computer Vision|AI
Gurgaon, Haryana, India

Summary

Researcher, Engineer and Head of R&D team with interest in data science, analytics, marketing, computer vision, deep learning, fuzzy logic, machine learning, artificial intelligence, computer aided diagnosis, and natural language processing.

Career Highlights

1. Multidisciplinary academic background with qualification, research and teaching experience in computer, electrical and electronics engineering.
2. Top 1% of class during all educational degrees.
3. Completed higher education via competitive selections in public and private universities with educational fundings(scholarships) for the phd degree and bachelor's degree.
4. Earned certifications from 500+ MOOCs on data science, marketing, machine learning, deep learning, image processing, and related courses.
5. Worked with more than 100 learners in guiding/mentoring their thesis and projects in collaboration with Liverpool John Moore's University, UK and IIT Madras.
6. Collaborated and shared 800+ GitHub repositories.
7. Technical reviewer of 50 plus international journals and books. Reviewed more than 190 international publications.

github profile: <https://github.com/jyotidabass>

Semantic Scholar: <https://www.semanticscholar.org/author/Jyoti-Dabass/83462281>

Publons profile: <https://publons.com/researcher/3973927/jyoti-dabass/>

Google Scholar profile: <https://scholar.google.com/citations?user=a7HGcrkAAAAJ&hl=en&oi=ao>

Medium profile: medium.com/@jyoti_98875

Segmentation of Breast Density
Using K-Means Clustering Algorithm

Applications of Type II Fuzzy Sets-
A Mathematical Review on Breast
Cancer Imaging Modalities

Applications of Advanced Fuzzy Set
in Medical Image Analysis: A Review

A hybrid U-Net model with attention
and advanced convolutional
learning modules for simultaneous
gland segmentation and cancer
grade prediction in colorectal
histopathological images

** Feel free to reach out at jyotidabas91@gmail.com for any assistance
with Natural Language Processing, Machine learning, Data Science,
Image Processing or Speech Processing, etc.

Experience

Buildnetic

Senior AI Scientist (Research and Development)

April 2023 - Present (4 months)

upGrad

Thesis Supervisor/Subject Matter Expert and Instructor

December 2021 - Present (1 year 8 months)

- o Worked with more than 100 learners in guiding/mentoring their thesis and projects in collaboration with Liverpool John Moore's University, UK and IIT Madras.

SonyAI

Researcher

October 2022 - March 2023 (6 months)

- o Worked on data (text, image, audio and speech signals, techniques (supervised, unsupervised, reinforcement and meta-learning).
- o Contribution from data collection to product launch.
- o Contribution to patents, publications, collaborations and providing open source research solutions

Bajaj Capital Ltd

Head- Image Processing

January 2022 - September 2022 (9 months)

Gurugram, Haryana, India

- o Worked on image and text datasets to provide personalized diet recommendation system.
- o Worked on stages from data collection to deployment of project.

The NorthCap University

Research Scholar

January 2017 - December 2021 (5 years)

Gurgaon, India

- o Supervisors: Prof. Madasu Hanmandlu (IIT Delhi), Prof. Rekha Vig (NCU, Gurugram)

o Subject: Image Processing

o Remarks: Research work is focused on the analysis of breast cancer imaging modalities to detect Cancer. The main objective of the thesis are pre-processing (denoising, removal of background, pectoral muscles, labels etc. and enhancement), segmentation (clustering), feature extraction and classification using fuzzy, machine learning and deep learning techniques.

Education

Indian Institute of Technology, Delhi

Postdoctoral Research Associate, Image Text Video and Audio processing · (June 2022 - April 2023)

The NorthCap University

Doctor of Philosophy - PhD, Image Processing · (January 2017 - December 2021)

J.C. Bose University of Science and Technology, YMCA

Master of Technology - MTech, Electrical, Electronics and Communications Engineering · (2014 - 2016)

Maharshi Dayanand University

Bachelor of Technology - BTech, Electronics and communication engineering