DEEPA MERLIN DIXON.K

Personal Info

Date of birth
24-11-1991

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'Anugrah'
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Technical Skills

C

Python

Matlab

Image Processing

Machine Learning

Deep Learning

Tensor Flow

Scikit-Learn

Numpy

Objective

To secure a job in an organization, where I can effectively use my analytical and technical skills to create new thoughts that would be helpful for the development of the organization

Academic Qualifications

2015-2017	**M-tech**	**Remote sensing and wireless sensor networks** Amrita school of engineering Coimbatore, Tamil Nadu CGPA-7.67/10
2010-2014	**B-tech**	**Electronics and communication engineering** Jyothi engineering college, kerala Percentage- 65.60%
2008-2010	**Class-12**	**Science** St. Therese H S S Shoranur Percentage - 75.33%
2008	**Class-10**	St. Therese H S S Shoranur Percentage - 93.33%

Projects

Jan 2017-Jun 2017	**Vectorized convolutional neural network with support vector machines (SVM) for dimensionally reduced hyperspectral image classification**
Jan 2017-Jun 2017	**Effect of dimensionality reduction on vectorized convolutional neural network for hyperspectral image classification**
Jul 2016 - Dec 2016	**Effect of denoising on vectorized convolutional neural network for hyperspectral image classification**
Mar 2016 - May 2016	**Least square denoising on kernel based hyperspectral image classification**
Jan 2016 - Mar 2016	**Aerial and satellite image denoising**
Oct 2015 - Dec 2015	**Aerial image classification using GURLS and LIBSVM**
Jan 2014 - Mar 2014	**Real time video edge detection with FPGA**
Jul 2013 - Dec 2013	**Touch controlled variable power supply**

Soft Skills

Willingness to learn

Adaptability

Positive Attitude

Linguistic Abilities

Fluent in English and Malayalam

Hobbies

Indulging in Music, drawing, crafts work

Areas of interest

Image Processing

Machine learning

Deep learning

Artificial intelligence

Linear Algebra

Optimization

Publications

2017 **Effect of Denoising on Vectorized Convolutional Neural Network for Hyperspectral Image Classification**

International Conference on Next Gen Electronic Technologies: Silicon to Software-ICNETS2, 2017, In book: Computational Signal Processing and Analysis, pp.305-313, Springer
https://link.springer.com/chapter/10.1007%2F978-981-10-8354-9_28

2016 **Impact of Least Square Denoising on Kernel based Hyperspectral Image Classification**

ICCP-2016, Indian Journal of Engineering and Technology (IJET)
http://serialsjournals.com/serialjournalmanager/pdf/1499927215.pdf

2016 **Aerial and Satellite Image Denoising using Least Square Weighted Regularization Method**

ICIIECS-2016, published in Indian Journal of Engineering and Technology (IJET)
http://www.indjst.org/index.php/indjst/article/view/99025

2016 **Aerial Image Classification Using GURLS and LIBSVM**

International Conference on Communication and Signal Processing (ICCSP), IEEE
http://ieeexplore.ieee.org/document/7754165/?part=1

2014 **Performance and study of various edge detection operators**

International Conference on Embedded Systems (ICES) July 2014, IEEE
https://ieeexplore.ieee.org/document/6953040/

2014 **Advanced license plate recognition system for car parking**

International Conference on Embedded Systems (ICES) July 2014, IEEE
https://ieeexplore.ieee.org/document/6953109/

Achievements

- Presented paper on Effect of Denoising on Vectorized Convolutional Neural Network for Hyperspectral Image Classification in the International Conference on Next Gen Electronic Technologies: Silicon to Software, 2017

- Participated in the Tutorial session of the International Conference on Signal Processing and Communication (SPCOM 2016) at Indian Institute of science, Bangalore

- Presented a paper on Aerial and Satellite Image Denoising using Least Square Weighted Regularization Method in the 3rd IEEE International Conference on Innovations in Information, Embedded and Communication Systems, 2016

- Participated in the workshop on VLSI DESIGN organized by center of excellence in computational engineering and networking, Amrita vishwa vidyapeetham , January 2016

- Participated in IEEE's Women In Engineering(WIE) workshop on Microchip Technology's Peripheral Interface Controller (PIC) Microcontrollers course, March 2011

- Got second prize in pencil drawing at school level.

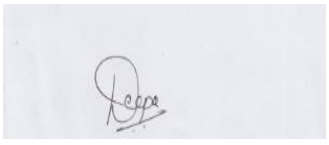
References

- **PROF K P SOMAN**, Head and professor, Center for excellence in computational engineering and networking (CEN), Amrita University, Coimbatore.

- **MRS. V. SOWMYA**, Assistant professor, Center for excellence in computational engineering and networking (CEN), Amrita University, Coimbatore.

Declaration

I HEREBY DECLARE THAT ALL STATEMENTS MADE HEREIN ARE TRUE TO THE BEST OF MY KNOWLEDGE AND BELIEF



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