

Aswathy Mohan

deeplearnercnn.github.io/
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Education

Rutgers Center for Innovative Education

Data Science Bootcamp

Oct 2017 - May 2018

Model Engineering College, Kerala India

Master of Technology Computer Science , **CGPA** : 9.38/10

2012 - 2014

- **Major:** Computer Engineering , **Minor:** Digital Image Processing
- **Keycourses:** Digital Image Processing, Computer Graphics, Advanced Data Structures and algorithms, Artificial Neural Networks and Fuzzy Systems, Data Mining, Random Processes, Computer Vision, Pattern Recognition, Data Compression
- **Thesis** 2D-3D Texture Unification For Volume Rendering
 - An approach for applying texture mapping to volumetric data sets.
 - A Method to convert CT Scans to Volumetric data
 - Technologies used: C++, VTK, CGAL
- **Mini Project** Image Enhancement Using DWT DCT and SVD.
 - An approach for Image Enhancement using transforms
 - Technologies used: Matlab

Award: Top 10 in the University Exam in State

Viswajyothi College of Engineering and Technology

Bachelor of Technology. **Percentage** : 74.5/100

2007 - 2011

- **Major:** Computer Science and Engineering
- **Project** RFID based SHOPPING MANAGEMENT
 - A system for replacing the current barcode system in supermarkets for billing by RFID tags
 - Technologies used: Java, JSP, MySQL, Zigbee
- **Mini Project** ONLINE FEEDBACK MANAGEMENT SYSTEM
 - Designed a software for VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY, VAZHAKULAM for collecting feedbacks of various fields of College.
 - Technologies used: Java, JSP, SQL

Activities and Societies: Indian Society of Technical Education member, Coordinated various events in Technical Fest Bodhi

Vimalagiri Public School

Class XII, CBSE, Percentage: 84

2005 - 2007

Vimalagiri Public School

Class X, CBSE, Percentage: 84.8

2005

Activities and Societies: PCM Scholarship, Selected for creating nano rover: A robot which could row around any planet surface and take pictures

Publications

- **Aswathy Mohan**, Mary Linda P A, "Image Enhancement Using DWT DCT and SVD". Int. Journal of Engineering Research and Applications, ISSN: 2248-9622, Vol. 4, April 2014, pp.36-40.
- **Aswathy Mohan**, Jayasree K, "2D 3D Texture Unification for Volume Rendering". International Journal of Research in Information Technology, ISSN: 2001-5569, Vol. 2, Issue 4, April 2014, Pg: 240- 245 ,

- **Aswathy Mohan**, Mary Linda PA, Larry Liston, Remya B Nair, Lisha P P, "Ramp Secret Sharing Approach to Authentication and Data Repairing For Document Image." Int. Journal of Engineering Research and Applications, ISSN: 2248-9622, Vol. 4, Issue 4 (Version 6), April 2014, pp.81-86.

Work Experience

Assistant Professor, Government Engineering College, Thrissur, Kerala, India *July 2015 - October 2015*

- Conducted Lectures for Final Year Computer Science Undergraduate students.
- Mentored Undergraduate Students
- Supervisor of Computer Laboratories
- Subjects Handled:
 - Software Architecture and Project Management.
 - Neural Networks and Fuzzy Logic
 - Microprocessor(8086) Lab
- Performed Result analysis of the previous batch Students

Assistant Professor, College of Engineering Vadakara, Kerala, India

July 2014 - April 2015

- Conducted Lectures for Final Year Computer Science Undergraduate students.
- Mentored Undergraduate Students
- Supervisor of Computer Laboratories
- Prepared tutorials and conducted Exams
- Subjects Handled:
 - Distributed Computing.
 - Security in Computing
 - Automata Languages and Computations
 - Microprocessor Based System Design
 - Microprocessor Laboratory

Teaching Assistant, Model Engineering College, Kerala, India

July 2012 - April 2014

- Subjects Handled:
 - Discrete Computational Structures.
 - Object Oriented Programming Laboratory.
 - Pattern Recognition

Associate Consultant, Oracle Financial Services Software Ltd, India

Sep 2011 - July 2012

- **Project:** NESS project, Client: CITI Bank
- Project deals with screening of names from a list of people.
- Handled Front End designing. Creating reports using Jasper Report
- Daily Check in of the projects.
- Deployed using Maven
- Documentation of Project details

Certifications

- **"Neural Networks and Deep Learning"** by deeplearning.ai on Coursera. The certificate earned on September 2, 2017

- **"Improving Deep Neural Networks: Hyperparameter tuning, Regularization, and Optimization"** by deeplearning.ai on Coursera. Certificate earned on September 15, 2017
- **"Convolutional Neural Newtorks"** by deeplearning.ai on Coursera. The certificate earned on December 22,2017

Additional Skills

- Programming Languages: C, C++, Python, Java and Visual Basic.
- Technical Skills: \LaTeX , GNU/Linux, Git, Matlab, and Microsoft Office (including excel macro development with vba), Data Analysis using Pandas, Tableau, Convolutional Neural Networks
- Languages: English(Full Proficiency), Hindi ((Full Proficiency)) and Malayalam(Mother Tongue)

Interests and Activities

- Interests: Machine Learning, Kaggle data analysis , Painting
 - Activities: Acrylic Painting, Badminton, running and cooking.
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