Last Updated on 24th April 2020

Sandeep N Menon

LinkenIn | +91 702209951
Github | Blog | menonsandu@gmail.com

EDUCATION

NIT SURATHKAL
BTech in Computer Science
May 2018 | Karnataka, India
CGPA: 8.83/10

KENDRIYA VIDYALAYA RB
Grad. May 2014| Kottayam, Kerala
2^{nd} in class, 97.00%
Centum in Mathematics

COURSEWORK

UNDERGRADUATE
Computer Vision
Artificial Intelligence
Linear Algebra
Probability Theory
Advanced Data Structures
Graph Theory

ONLINE
Deeplearning Specialization:
deeplearning.ai
(Neural Networks and Deep learning, Improving Deep Neural Networks, Structuring Machine Learning Projects, Convolutional Neural Networks, Sequence Models)

Statistical Learning
StanfordOnline: STATSX0001
(Boosting trees, Discriminant Analysis,Splines, Support vector machines)

PROGRAMMIN SKILLS

Proficient:
C++ • C# • Python • Typescript
MySQL • React.js • LaTeX
Project experience:
Tensorflow • Keras • SciPy • OpenCV
Azure • .NET
Familiar:
Java • Octave • R • Matlab • Scala

LEADERSHIP

- President of Web Enthusiasts Club NITK
- Core executive member at IEEE NITK Student Chapter

EXPERIENCE

MICROSOFT | Software Engineer
June 2018 - Present | Hyderabad, India
- Developed new method to identify similar won deals in CRM context for *Relationship Analytics*.(Patent pending)
- Shipped *Dynamics 365 Sales Insights connector* in Microsoft Flows. Handles more than 9M monthly requests.
- Experience in developing and deploying scalable cloud resources in Azure.

MICROSOFT | Software Engineering Intern
May 2017 – July 2017 | Hyderabad, India
- Developed multi-tenant NLP pipeline to extract actionable insights from sales executive notes.

COGNICOR | AI Engineering Intern
December 2016 | InfoPark, Kochin, India
- Designed and implemented a Recommender System using Deep Wide Neural Networks.
- Implemented a web scraper to extract heading texts from web pages using CNNs written inTensorflow.

PUBLICATIONS

[1] Y. A. A. B. N. Sandeep N Menon, V B Vineeth Reddy and D. J. Rajan. A novel deep learning approach for the removal of speckle noise from optical coherence tomography images using gated convolution deconvolution structure. *3^{rd} International Conference on Computer Vision & Image Processing*, 2019.

PROJECTS

VIRTUAL GYM TRAINER | Demo link
- Designed and implemented a platform where users are guided through exercises like a personal trainer.
- Real-time human pose estimation using PoseNet network.
- Implemented a state machine that uses the human pose to geometrically estimate the correctness of the posture to inform the users.

RADIOLOGY IMAGE ANNOTATION USING RECURRENT NEURAL FEEDBACK
- GoogLeNet CNN model trained to detect disease names.
- Gated Recurrent neural networks (GRUs) trained to describe the contexts of the detected disease, based on the deep CNN features

AWARDS

2019	1^{st} position	Microsoft Intelligent Edge Hackathon
2017	Best short paper	Microsoft Artificial Intelligence Meet
2017	4^{th}/1000+	IEEEXtreme 11.0 Programming Competition
2014	Top 0.1%	National Level Mathematics Board Exam