SLEEBA PAUL PUTHENPURAKEL

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SUMMARY

- Machine Learning Engineer at Refly.
- Graduate Degree (M.Tech) in Power Systems.
- Undergraduate Degree (B.Tech) in Electrical and Electronics Engineering.
- Published author at YourStory and Malayala Manorama daily.
- Published two International Conference papers on Identification and Classification of Micro-grid Disturbances using Artificial Neural Networks.
- Completed 15+ MOOCs in fields of Artificial Intelligence, Electrical Engineering and Computer Science.
- Top 5% code contributor at MATLAB Official File Exchange.
- Personal blog with readers from 20+ countries.
- Area of interests includes Artificial General Intelligence, Data Science and Computational Neuroscience

WORK EXPERIENCE

Machine Learning Engineer, Perleybrook Labs LLC July 2017 - Present

- Sequence Models for Language Modeling
- Implementation and maintenance of Deep Learning models
- Content enhancement using NLP and Machine Learning
- Building and deploying chat-bots
- Live Video Streaming, Analytics, Audio Classification and Object detection
- Website: http://perleybrook.com/

Junior Data Scientist, Unisave Marketing Networks Pvt. Ltd. November 2016 - June 2017

- Responsible for entire data product pipeline.
- Text classification using NLP-based feature extraction and ensemble methods like Gradient Boosting.
- Setup REST API for Data Products
- R&D projects on Information Extraction from the Web.

EDUCATION

University of Calicut, Kerala, India August 2014 - August 2016
M. Tech, Power Systems
CGPA: 7.64/10.00

Cochin University of Science and Technology, Kerala, India August 2009 - March 2013
B. Tech, Electrical and Electronics Engineering
CGPA: 7.20/10.00

SKILLS AND INTERESTS

Skills	Deep Learning, Data Science, Video Analytics and Language Modeling
Programming Stack	C++, Python, R, MATLAB, Octave and Shell
Interests	Blogging, Storytelling, Public Speaking and Photography

ACCOMPLISHMENTS

Publications

- Published an IJIRSET International Conference Paper on Islanding Detection in Grid - Connected 100 kW PV System Using Wavelet Transform.
  - Link: https://www.ijirset.com/upload/2016/incets/12_incets68.pdf
- Published an IEEE International Conference paper on Identification and Classification of Microgrid Disturbances in a Hybrid Distributed Generation System Using Wavelet Transform
  - Link: http://ieeexplore.ieee.org/document/7854066/

Certifications

- Advanced Machine Learning Specialization - Coursera
  - Introduction to Deep Learning (With Honors) - Coursera - Jun. 2018
- Data Structures and Algorithms Specialization - Coursera
  - Data Structures - Coursera - Jun. 2018
  - Algorithmic Toolbox - Coursera - Apr. 2018
- Deep Learning Specialization - Coursera - Feb. 2018
  - Sequence Models, Coursera - Feb. 2018
  - Convolutional Neural Networks, Coursera - Dec. 2017
  - Improving Deep Neural Networks: Hyper-parameter tuning, Regularization and Optimization, Coursera - Oct. 2017
  - Structuring Machine Learning Projects, Coursera - Oct. 2017
  - Neural Networks and Deep Learning, Coursera - Sep. 2017
- Introduction to Git for Data Science, DataCamp - Dec. 2017
- Introduction to Shell for Data Science, DataCamp - Dec. 2017
- Deep Learning with TensorFlow, IBM - Nov. 2017
- Computational Probability and Inference, edX - Dec. 2016
- Introduction to R, DataCamp - Dec. 2016
- Big Data Foundations (Level 1), IBM - Aug. 2016
- Data Science Essentials - Microsoft, edX - Jul. 2016
- Machine Learning, Coursera - Jun. 2016
- Introduction to Computer Science and Programming Using Python, edX - Mar. 2016
- Solar Energy, edX - Dec. 2015

Personal and Collaborated Projects

- Gospel of LSTMs - How I wrote fifth Gospel of Bible using LSTMs
  - GitHub Repository: https://github.com/sleebapaul/gospel_of_rnn
- PyThesaurus - A pip package to fetch synonyms and meanings from on-line dictionary sites
  - Python Package: https://pypi.python.org/pypi/py-thesaurus/
- Implementation of Content Extraction Via Tag Ratios(CETR) in Python
  - Bitbucket Repository: https://bitbucket.org/red_pills/cetr-py.git
- Sentiment Analysis of Malayalam movie Take Off - 2017 based on bookmyshow.com reviews
  - GitHub Repository: https://github.com/sleebapaul/sentiment_analysis_take_off_movie
- Handwriting Recognition Using Artificial Neural Networks
  - GitHub Repository: https://github.com/sleebapaul/Handwriting-Recongnition

Tutorials

- Naive - Bayes Classifier
  - GitHub Repository: https://github.com/sleebapaul/naive_bayes_tutorial
- A beginner tutorial on TensorFlow
  - GitHub Repository: https://github.com/sleebapaul/hello_tensorflow
- Linear Regression Using TensorFlow
  - GitHub Repository: https://github.com/sleebapaul/linear_regression_tutorial
- Vanishing Gradients
  - GitHub Repository: https://github.com/sleebapaul/vanishing_gradients.git
- Residual Networks
  - GitHub Repository: https://github.com/sleebapaul/res_nets_tutorial.git
- Language Modeling using Recurrent Neural Networks (Part-1)
  - GitHub Repository: https://sleebapaul.github.io/rnn-tutorial/
- Language Modeling using Recurrent Neural Networks (Part-2)
  - GitHub Repository: https://sleebapaul.github.io/rnn-tutorial-2/

Medium Articles

- Why all should learn how to code?
- Why tier-X engineering institutions of India need MOOCs?
  - Featured in YourStory, India's biggest and definitive platform for startups and entrepreneurs related stories, resources and research reports.
  - Featured in Malayala Manorama, Kerala's largest daily with a 16 million readership base.

Top 5% code contributor at MATLAB Official File Exchange Portal

- Contributions on Machine Learning, Optimization Techniques and Power System problems.
- Link: https://in.mathworks.com/matlabcentral/profile/authors/5704137-sleeba-paul

Personal blog since 2011, having readers from 20+ countries

- Link: https://sleebapaul.wordpress.com

Test Scores

- International English Language Testing System (IELTS) - Academic
  - Common European Framework of Reference (CEFR) - C2 band fluency in English
  - Overall Score: 8.0