Sagar Kar

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EDUCATION

NATIONAL INSTITUTE OF TECHNOLOGY, SILCHAR
B.Tech - Computer Sc. & Engg.
2014 - 2018 | CGPA: 8.07

SRIMANTA SHANKAR CADEMY, GUWAHATI
Higher Secondary | Science
94.2% | Board: CBSE

CERTIFICATES
Machine Learning Foundations: A Case Study Approach by University of Washington **view**
Machine Learning by Stanford University **view**
Neural Networks and Deep Learning by deeplearning.ai **view**
Intro to Machine Learning : Google
AWS Machine Learning

TOOLS

PROGRAMMING
•Python •C/C++
•JavaScript •R •Matlab
•Octave •SQL •HTML •LaTeX

AI/ML LIBRARIES
•TensorFlow •Keras •Scikit-Learn
•Numpy •Pandas •Matplotlib
•Statsmodels •OpenCV

FRAMEWORKS
•Jupyter-Notebook •Docker
•Kubernetes •MongoDB •LuiGi •Git

PLATFORM
•Unix/Linux
•GCP •AWS •Azure

INTERESTS

•Data-Science •Big-Data
•Machine-Learning •Algorithms
•DevOps •Programming Challenge
•Gesture/Image recognition

SUMMARY

Self driven and highly motivated data science professional with experience in Machine Learning, Predictive Data Analysis. Exposure to Deep Learning techniques building end-to-end predictive pipelines in Computer Vision and Time Series Analysis. Expert in Unix, experienced in python AI/ML stack for production level contribution. Looking for a challenging position for Data Scientist or Machine Learning Engineer.

EXPERIENCE

SIGTUPLE | AI Engineer
June 2018 - Present | Bangalore, Karnataka

- Microscopic Video analysis and modeling for particle detection and cell tracking using Deep-CNN to report and classify disease with **Human level accuracy** .
- **ELT, EDA, and visualization** of various medical data for for R&D to recognize, analyse and solve domain-specific or hardware-specific challenges.
- Implementation of multiple **research works in AI/ML** for applied and business use-cases with modification to adapt data, product and hardware constraints.

NOTIONINK | DNN and AI Intern
May 2017 - July 2017 | Bangalore, Karnataka

- Worked in Computer Vision developing state-of-art object recognition model for the **AI enabled drone** in C/C++ with support for Python.
- Build D-CNN models for low-end CPU's to replicate bench-mark results and recorded almost **13%** more efficiency with code CPU intrinsic optimization using open source Intel-Math Kernel Library and ARM-Compute libraries.
- Implemented Darknet's **YOLO** for ARM's v8 architecture (for x15 and RaspberryPi), with cross platform support for Intel's quad-core.

PRICEBOARD.IN | Data Science and DevOps Intern
May 2016 - July 2016, Dec 2017 | Guwahati, Assam

- Contributed and monitored the open source data manipulation/visualization project **AWS-ELK-BILLING (click here)** and managed **100 stars** in Github.
- Worked on Elastic Search to increase the product search accuracy and also implemented **Collaborative Filtering** for product recommend-er system.
- Build **Product Categorization** method using Neural Network to categorize e-commerce products using NLP techniques on the scrapped data.

COMPUTER SCIENCE SOCIETY, NITS | Teaching Assistant

PROJECTS

Freelancing and Remote Internships

- **Gamut Analytics | Resume Classification** Worked on NLP and Paragraph Segmentation to classify and rank resume based on predefined criteria using MNB, SVM, Decision Trees, and CNN.
- **Cheruvu | Soil Analysis and Crop Yield Prediction** Worked on Data analysis, Forecasting with ARIMA and ANN to predict soil composition.
- **Scribie | Audio Transcript Parser** build the parser and sanitizer models from scratch in Python with NLP, regex, etc which became the base for the training database for auto-transcriber.
- **Stock Market Prediction** used Variational Auto-encoder, GANs and LSTM for recognizing pattern for Stock price forecasting, bench-marked with traditional S-ARIMA and other AR/MA models.