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
Natural Language Processing with Deep Learning

TOOLS

PROGRAMMING

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

AI/ML LIBRARIES

•TensorFlow •Keras •OpenCV
•Scikit-Learn
•Numpy •Pandas •Matplotlib •NLKT
•SpaCy •Gensim

FRAMEWORKS

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

PLATFORM

•Unix/Linux
•AWS (extensively managed and used)
•GCP •Azure

INTERESTS

•Data-Science •Big-Data •Deep-Learning
•DevOps •Gesture/Image recognition

VOLUNTARY

•Teaching Assistant, NITS
•Open Source Contributor

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. Have exposure to DepOps and Cloud/Distributed Computing.

EXPERIENCE

INSIDER.IN | Machine Learning Engineer

April 2019 - Present | Bangalore, Karnataka

- **Dynamic Pricing** statistical model to Predict and affect event ticket pricing based on live demand and previous trends.
- **Recommendation System** for event space having highly volatile items.
- Worked with **Named Entity Recognition** using NLTK and RNN to extract event details from event banner and posters.

SIGTUPLE | AI Engineer

June 2018 - April 2019 | 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.

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.

PROJECTS

Freelancing

- **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 using NLP, BRNN, etc which became the base for the training database for auto-transcriber.