

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

INSIDER.IN | MACHINE LEARNING ENGINEER

April 2019 - Present | Mumbai, Maharashtra

- Working on various Data Science Projects involving Computer Vision, Demand Forecasting and NLP

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 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.