

# 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

- Python • R • SQL
- TF • Keras • SKLearn • OpenCV
- Docker • Kubernetes • Unix
- ... Et Cetera

## 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.

## INTERESTS

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

## SUMMARY

Self-driven and highly motivated data science professional with experience in Deep Machine Learning, Predictive Data Analysis, DevOps and Full-stack development. Expert in Unix, experienced in python AI/ML stack for production level contribution.

## EXPERIENCE

### SENSE | SR. MACHINE LEARNING ENGINEER

December 2021 - Present | Remote

- Building pipelines used by ML backend for recruitment **Chatbot**
- Advancing legacy platform towards a **microservice** based architecture while being more ML friendly for quick cycles of modeling and development in general.

### UNBXD | MACHINE LEARNING ENGINEER

August 2020 - December 2021 | Bangalore, KA

- **Learning to Rank** Modelling Ranking systems to score based on LambdaRank and LambdaMart using behavior specific and clickstream data.
- Worked with **Data Pipelines** Creating reusable and robust data and process pipelines to be used as kubeflow spark components

### INSIDER.IN | MACHINE LEARNING ENGINEER

April 2019 - August 2020 | Mumbai/Bangalore

- **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, KA

- 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, analyze and solve domain-specific or hardware-specific challenges.

### NOTIONINK | DNN AND AI INTERN

May 2017 - July 2017 | Bangalore, KA

- 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 Raspberry Pi), 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 Elasticsearch to increase the product search accuracy and also implemented **Collaborative Filtering** for product recommend-er system.