

Sagar Kar

7002086905 (M) || sagarkar10@gmail.com || sagarkar10.github.io

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 • Java • SQL • R
- TensorFlow • PyTorch • Keras
- Scikit-learn • AWS • Databricks
- Spark • Docker • Kubernetes • NLTK
- OpenCV • Solr • ElasticSearch

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

Experienced **Senior Machine Learning Engineer** with **7+ years** of industry experience in designing, implementing, and scaling ML systems for production environments. Expert in developing end-to-end machine learning pipelines, and AI-powered applications serving millions of users. Proven track record in cross-functional collaboration, technical leadership, and delivering business-critical ML solutions across diverse domains including recruitment, e-commerce and healthcare domains.

EXPERIENCE

SENSE | SR. LEAD MACHINE LEARNING ENGINEER

December 2021 - Present | Remote

- Building state-of-art candidate to **job matching** pipeline which is expected to reduce agent involvement by more than **60%**.
- Led ML pipeline development for recruitment chatbot serving **100K+** daily interactions, improving candidate matching accuracy by **35%**.
- Collaborated with product and engineering teams to integrate AI functionalities across recruitment workflows.
- **Mentored junior ML engineers** and established best practices for model versioning, A/B testing, and production monitoring.

UNBXD | MACHINE LEARNING ENGINEER

August 2020 - December 2021 | Bangalore, KA

- Built **Learning-to-Rank models** using LambdaRank and LambdaMart algorithms, improving search relevance by **28%** for e-commerce clients
- Designed reusable **data pipelines** as Kubeflow Spark components, processing **10M+** product interactions daily
- Scaled ML infrastructure to handle **99.9% uptime** with sub-100ms latency requirements

INSIDER.IN | MACHINE LEARNING ENGINEER

April 2019 - August 2020 | Mumbai/Bangalore

- Developed **dynamic pricing models** using statistical forecasting and demand prediction, increasing revenue by **22%**
- **Recommendation System** for event space having highly volatile items.

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 **95%** diagnostic 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.

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.