

Shiva Biradar

Data Scientist/Engineer



(765) 775 3460



shivayogibeeradar.github.io



biradar.s@husky.neu.edu



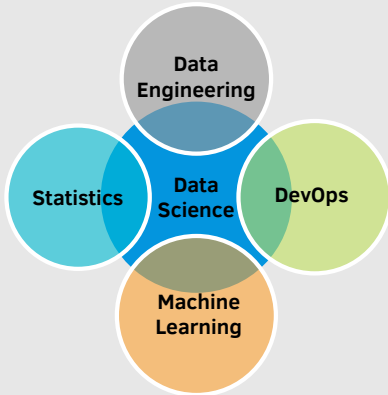
/in/shivayogibiradar



shivayogibeeradar

Technical Skills

Overview



Programming

0 LOC —————> 5000 LOC

Python • R • SAS

SQL • SCALA • \LaTeX

JAVASCRIPT • HTML

Education

MS, Data Science

Specialization: Deep Learning/NLP
Northeastern University
2017 - 2019 | Boston, MA

MS, Business Analytics

Specialization: Marketing Analytics
Purdue University
2016 - 2017 | Lafayette, IN

BE, Mechanical Engineering

Visvesvaraya Technological University
2010 - 2014 | Bangalore, India

Experience

Mar 2020 - Present **Data Science Intern**

Cloud Big Data

- Focused on developing machine learning models, production deployment, testing, scaling
- Projects: NLP Chatbot
Tools: Kafka, Flume, Spark, Hive, Jupyter Lab, Kubernetes, Docker, GitLab, LSTMS, Keras
- Helped pioneer automated deployments of data pipelines using CI / CD, enabling faster and more portable deployments
- Developing and improving chatbot based on Q/A model for electronic products category using RNN, LSTMS, word embeddings and Fast Text

Jan 2019 - Jun 2019 **Data Science Intern**

Boston Consulting Group

- Worked with fortune 500 clients from healthcare and ecommerce
- Projects: Job Title Classification | Customer Lifecycle Value
Tools: D3.js, Flask, MongoDB, GoogleCloud, Tableau, Alteryx
- Implemented BG-NBD model to predict customer churn and customer lifecycle value via simulations for an e-commerce client
- Developed a Flask - Machine learning framework to deploy machine learning models and visualize sentiments scores Using D3. Used spacy to highlight positive and negative parts of reviews

Jul 2018 - Sep 2018 **Machine Learning Intern**

Massachusetts General Hospital

- Projects: Predicting Symptoms From Patient Visitation Notes | Detection of Stages of Diabetic Retinopathy from Retinal Scans
- Tools: AWS S3, EC2, Athena, Keras, GPU, PyCRF-Suite, Scikit-Learn, Pandas
- Develop NLP tool to map Unified Medical Language System to patient's visitation notes to predict symptoms and diagnosis
- Deployed a framework using CRF and LSTM in python that increased accuracy by 60%

Nov 2017 - Sep 2019 **Bootcamp Lecturer & Assistant**

Level Analytics Bootcamp

- Conduct recitation lectures for students focused around their doubts and help in conceptual clarity in statistics, programming, Tableau and Databases
- Learned to effectively teach complex machine learning topics in simple and precise language. Mentored students for their capstone projects in as Machine Learning Expert Guide

Jun 2014 - May 2015 **Analytics Developer**

Ajax Fiori

- Conduct recitation lectures for students focused around their doubts and help in conceptual clarity in statistics, programming, Tableau and Databases
- Learned to effectively teach complex machine learning topics in simple and precise language. Mentored students for their capstone projects in as Machine Learning Expert Guide

Research

2017 - 2018 **MS Candidate, Graduate Researcher**

Northeastern University

- Project:** Rcarne-Statistical Package in R for various Gradient Descent Optimization
- Developed various gradient descent methods with ada-grad and bolt driver learning rate method to achieve fast converges of gradients.
 - 15%-30% more accurate than existing $\text{lm}()$ on variety of datasets. Encapsulated the final implementation in a R package.
 - **Tools:** R, Shiny, Latex