Shiva Biradar

Data Scientist/Engineer

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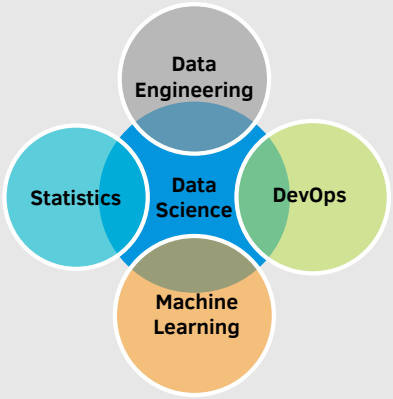
shivayogibeeradar

Technical Skills

Overview



Programming

$0\ LOC \longrightarrow 5000\ LOC$

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 Anlaytics
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 Symptomps 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: Rcane-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 lm () on variety of datasets. Encapsulated the final implementation in a R package.
- **Tools**: R,Shiny,Latex