



Bharat S Hegde

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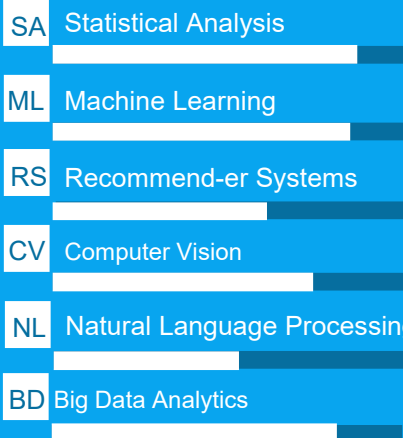


About Me

A former full-stack developer, turned to a Data Scientist with growing interest in the field of statistics, mathematics as I progressed through my career while working in CRM based applications.



Professional Skills



Languages / Tools

Python, Matplotlib, Seaborn, Scikit Learn, Keras, SQL, Hadoop, Hive, Kafka, Spark



Education

- P.G. in Artificial Intelligence and Machine Learning - Great Lakes, 2020
- B.E. in Computer Science, 2015



Summary

Passionate and have a sight for the data. Finding new insights from the data excites me. A quick learner and enthusiastic about new challenges and opportunities in the field of Data Science



Interests and Achievements

- ✦ Won 3rd prize in Hackathon on Machine Learning conducted by Great Learning
- ✦ Blogs: <https://blog.kiprosh.com/author/bharat-hegde/>
- ✦ E-portfolio: <https://eportfolio.greatlearning.in/bharat-s--hegde>



Project Experience

Kiprosh March 2018 - Present

- ✦ Created classification model using XG-Boost to predict the assignment of a new incoming lead in real time.
- ✦ Created classification model using XG-Boost to predict the booking probability of leads in real time.
- ✦ Created regression model using CAT-Boost to predict the commission of a new incoming lead at different stages in real time.
- ✦ Created multiple NLP models to analyze the sentiments based on different perspectives.
- ✦ Made use of SHAP to explain model behavior
- ✦ Helped in providing business solution based on statistical analysis of past data
- ✦ Built a real-time content based recommendation system based on selected speaker tags.

Infosys November 2015 - March 2018

- ✦ Involved in Development of single page applications using Java, Hibernate on the back-end and ReactJS on the client side.



Academic Projects

- ✦ **Supervised Learning and Ensembles:**
Objective: Predict the strength of high-performance concrete
Challenges: Too many columns. Many of them had outliers
Tools/Techniques used: PCA, LDA, Decision Trees, Bagging/Boosting techniques
- ✦ **Unsupervised Learning:**
Objective: Classification of vehicles based on different silhouettes
Challenges: Too many missing values
Tools/Techniques used: PCA, K-Means clustering, SVM
- ✦ **Recommendation System:**
Objective: Build recommendation system for Amazon products
Challenges: Sparsity
Tools/Techniques used: SVD, Popularity based, user-user collaborative filter



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Academic Projects (contd)

- ✧ **Neural Networks:**
 - Objective:** Image classification of to classify Street House View Numbers.
 - Challenges:** Variation in images size, normalization
 - Tools/Techniques used:** KNN, Deep Neural Networks, Keras, Image Recognition
- ✧ **Computer Vision:**
 - Objective:** Building a face detector to locate the position of a face in an image.
 - Challenges:** Transferred learning from Mobile Net model, and build custom layers.
 - Tools/Techniques used:** Deep Neural Networks, Object Detection, Bounding Box
- ✧ **Computer Vision:**
 - Objective:** Build a face identification model to recognize faces.
 - Challenges:** Variation in image size, generating embedding vectors
 - Tools/Techniques used:** Deep Neural Networks, Siamese Network, SVM