

Sunil M S

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Data Science, Machine Learning having experience in analytics, creating predictive models, data mining algorithms to deliver insights and implement action-oriented solutions to complex business problems.

Technical Skills

Coding skills : Python (NumPy, Matplotlib, Pandas, Seaborn), GitHub
ML/DL Frameworks : Sklearn, TensorFlow, Keras,
Analytical Skills : Machine Learning, Deep Learning, Statistics, Predictive Modeling.
Database : MySQL, SQL
Technologies : Tableau, MS Excel

Professional Experience

BEL	Data Analyst at Bharat Electronic's Limited. Feb-2019 to May-2020, <ul style="list-style-type: none">➤ Analyzing large data sets, Cleaning, Processing, Manipulating and visualize the data for understanding the problem by using Python.➤ Building and deploying reports and dashboards to drive decisions about existing and new products.➤ Parameter tuning, Deploy models to production, Define data augmentation and preprocessing pipelines➤ Hands on experience in using of ML Algorithms such as Logistic regression, Linear regression, KNN, Support Vector Machine, Decision Tree, Random Forest, K-Means Clustering, XGBoosting, Hierarchical Clustering.➤ Experience in working with cross-functional teams to gather requirements and ability to set work priorities
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Project Details

Project 1 : MR SAM
Technologies Used : Python, Tableau, SQL, Machine Learning, Matplotlib, Seaborn.

Responsibilities:, <ul style="list-style-type: none">➤ Objective is to identify/predict component/subcomponent Frequency Break down with maximum possible lead time.➤ Predicted subset of RF Seeker failures with 95% accuracy using sensors data.➤ Prescriptive maintenance on IMU, GPS cards, Transmitter health using efficacy, RPM, Frequency and Temperature, normalization techniques.➤ Developed end-to-end Automated Predication platform for structured sensors data using machine learning algorithms➤ Working with raw datasets to produce clean views materializations. Exploring data sets for new insights.
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Project 2 : IAM Mark-2 (Integrated avionics module)

Technologies Used : Python, Deep Learning, SQL, Tableau, NumPy.

Responsibilities:,

- > Worked on identifying and counting the number of identical images in a given data-set.
- > Framed the problems as image classification and model was developed by using TensorFlow, Keras.
- > Optimized the model by trying out various feature extractors, optimizers and loss function. Improved the performance by further tuning the parameters of the model.

Internships

Tech Vibz | Data Science Intern at Tech Vibz.09-2018 to 02-2019,

- > Worked on project with Insurance Companies regarding straight through processing of Insurance Claims of Vehicles. Work mainly involved in Repair/Replace Cost i.e Claim amount using many Deep Learning Algorithms.
- > Apart from these, working to introduce Image Detection System in above projects

Bosch | Intern at Bosch RBAI -01-2018 to 05-2018,

- > Worked under the project 'Early Warning System', to improve the quick reaction system about the failure in the line by using Python and Visualised by using Matplotlib, Pandas, Numpy.
- > Reduction in man hour's usage for escalating the failure, duplication of data, updating the contained action in the sheet, collection of data and monitoring.

Education

2018 Bachelor of Engineering, Visvesvaraya Technological University.
2014 Class XII, Central Board of Secondary Education.
2012 Class X, Central Board of Secondary Education.

Achievements

Analytical vidhya ML Challenge Rank 8 out of 2500 participants.
Analytical vidhya ML and DL Challenge Rank 52 out of 1500 participants.
First Place in national level badminton held by JNV at Bhubaneshwar.

Personal Details

Father Name : M P Shivakumar

Date of Birth : 04th Dec 1996

Languages Known : English, Kannada and Hindi

Nationality : Indian