Mahesh Kankar

Aspiring Data Scientest

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in www.linkedin.com/in/mahesh-kankar-7aa5a4116/   ○ maheshkankar.github.io/portfolio/

SUMMARY

1.5+ year experienced Software Engineer professional having a track record of processing raw data and applying ML models, deploying automation pipeline on AWS for ML models, Tech modernization using spark Scala, Making business decision using machine learning models on healthcare data and perform deep dive to gain actionable insights to benefit key stakeholders & facilitate sound decision-making.

KEY SKILLS

• Data Analysis • Automation • Data Modeling • Initiator
• Problem Solving • Leadership & Learner • Process Improvement • Presenter • Data Visualization
• Data Collection • NLP • ML and DL • Business Solutions

TECHNICAL SKILLS

Tools/Languages: Python-(Pandas, NumPy, Sklearn, SciPy, Matplotlib, Seaborn, NLTK, Tenserflow, Nbconvert, Databrics), SQL, Java, Git&Github

Cloud: Amazon AWS(Sagemaker, EC2, S3, Glue, Lambda, Step function, Cloudwatch), Firebase

EDUCATION

Post Graduate Diploma in Data Science	Jul '22 - Present
IIIT Bangalore & upGrad	Bengaluru, IN
M. Tech. in Information Technology	Aug '19 - Jun '21
National Institute of technology, Surathkal, Karnataka	Mangaluru, IN
B. E. in Information Technology	Aug '15 - May '19
Jabalpur engineering collage, Jabalpur	Jabalpur, IN

KEY PROJECTS

Housing Price Prediction
- Housing price prediction using linear regression.

Credit EDA case Study
- Used Banking data to perform EDA and making decision weather applicant is suspect of defaulter or can repay the loan credited.

Chatbot for Farmers
- NLP based Chatbot to answer agriculture based questions to farmers.

Bike sharing using linear regression
- Build LR model to predict the demand of shared bikes .

Heart desease prediction using Decision Tree
- Developed decision tree model to predict heart desease

Online Retail customer segmentation using K-Means algorithm
- Clustering of retail customers on purchase habit similarity.

Lead Scoring Case study
- performed assignment of lead score to each of the leads.

Diabetes patient classification
- Build Support vector machine to predict weather patient might have diabetes or not based on dependent factors.

Used car price prediction
- Developed random forest regressor to find fair value of old car based on car specifications and historical data.

Loan default classification using logistic regression
- Build logistic regression model to classify weather customer can default or not on loan.

PROFESSIONAL EXPERIENCE

Software Engineer	Aug '21 - Present

Optum, UHG Bengaluru, IN

Data Analysis & Data Mining

- Prediction of LOS(Length of stay) of Patient in Hospital based on hospital and lab data.
- Build ML models for Emergency department (ED) - diversion for patient on high risk.
- Create automated performace evaluation report for any kind of classifier of regerssion model.
- Worked on ML models and deployed on cloud(AWS) to run effectively on any change in dataset or notebook.
- Evaluate EDA notebooks on huge amount of data and make report out of it on AWS.

Publications

- Price Prediction of Agricultural Products Using Deep Learning
  https://link.springer.com/chapter/10.1007/978-981-19-0840-8_38
- Intrusion Detection Techniques for Detection of Cyber Attacks
  Performed classification task using ML and DL algorithms.
  (Published in : Digital-Forensic-Investigator-for-Cloud-Computing-Environment)
- Hybrid ARIMA-deep belief network model using PSO for stock price prediction
  Develop hybrid model to deal with hidden information in form of residuals using DBN.
  https://www.inderscienceonline.com/doi/abs/10.1504/IJSI.2022.121082

ADDITIONAL INFORMATION

- Student of the year in Secondary School
- Fond of reading books and News Paper