B Susanth Srivatsa

Portfolio: ssbodapati.github.io

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Product specialist on Analytics and Machine Intelligence with 6+ years of experience in conceptualizing, building and deploying data-driven solutions. Experienced in delivering products to drive growth and optimize business

Technical Skill Sets

- Python for statistical analysis, data mining and machine learning.
- NodeJS, ExpressJS and MongoDB stack for building scalable dashboards.
- Apache Spark with Python – PySpark API- SparkSQL and Spark MLlib.
- ML Model deployment on-Prem or on PaaS solutions.

Education

FEB'2021 – PRESENT
MTech Artificial Intelligence/Indian Institute of Technology, Jodhpur
Executive Programme MTech in AI for working professionals under department of computer science.

JUNE'2011-JULY'2015
BTech Electrical & Electronics Engineering / JNTU, Hyderabad
BTech in Electrical and Electronics Engineering with distinction.

Work Experience

09.09.2016 – PRESENT
Engineer-Data Processing @ Indian Railways, Govt. of India
- Conceptualized and delivered analytical and Intelligent products on Asset tracking and Utilization, Predictive Maintenance, Finance and Supply chain analytics
- Lead a team of employees and contractors on the execution of products. Team members have multiple levels of seniority and experience.
- MVP first approach, optimizing utilization of available resources - men, material and money to deliver a working prototype to showcase PoC and thereby driving trust amongst stakeholders.
- Improved Safety, Reliability and availability of rolling stock by analyzing enterprise

19.01.2015 – 22.05.2016
Technical Analyst @ IBM
- Aligned with the Global Technical Solutions vertical to a large electronics retail client.
- Incident resolution and BI reporting on application outage tickets logged with service desk.
- BI reporting on WAN incidents and P2/P3 application outages.
- Reporting and analyzing data on the MCE platform to stakeholders on a bi-monthly. Automated this report by consuming an API shared by data engineering team.

Analytics Products delivered

Predictive Analytics on Spherical Roller Bearings
Contribution: Data Aggregation, Data Wrangling, Anomaly detection model and Analytical Dashboard
Business Impact: Reduced cycle time and Improved reliability.

Inventory Review using Clustering (K-Means Algorithm)
Contribution: Data Wrangling, Clustering model and Analytical Dashboard
Business Impact: Achieved near just in time inventory, minimizing stocking.

Anomaly detection using Isolation Forest
Contribution: Data Acquisition and Data Modelling.
Business Impact: Reduced cycle time and Improved reliability.

Cycle time optimization
Contribution: Data Acquisition, Data Modelling and Dashboard design and development.
Business Impact: Reduced cycle time and Improved reliability.

Full Stack Web Products delivered – NodeJS+MongoDB

Time Analytica – Kanban boards implementation with NodeJS and OAuth
Contribution: UI, Backend on NodeJS and MongoDB integration

Signal Location App – Mobile web app wrapped in a WebView (APK)
Contribution: UI, APK and Backend on NodeJS and MongoDB integration

Production Analytica – Cycle time tracking web application
Contribution: UI, Backend on NodeJS and MongoDB integration

Gradients and Caution Management
Contribution: UI, Backend on NodeJS, MongoDB integration and Heroku deployment.

Certifications

Data Scientist – IBM, Professional Certificate
Credential ID: TYX4GFF5KWA6

AI Engineering – IBM, Professional Certificate
Credential ID: 6W2DYRUF3A5Q

Data Scientist – Tableau

Chartered Engineer India
Credential ID: AM1946075

Awards

- Principal Chief Engineer Excellence Award (2020)
- Best technical paper, Osmania University (2014)