SUBHASH TALLURI

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SUMMARY

Trained mechanical engineer. Experienced Aerospace engineer. Passionate data scientist. IoT Enthusiast.

SKILLS

Data Science	- Python (8), R (7), SQL (5), Tableau (6), Spark (beginner), Big Data Ecosystem (beginner)
Cloud	- Beginner in AWS-Azure-GCP
Domain	- Experience in Telecom, Expertise in Aerospace, Industrial & Manufacturing, Interested in Automotive
Comp. Science	- Full Stack, SDLC, Agile, Git Versioning, Linux CLI
Strengths	- Supervised/Unsupervised, Pattern Mining, Anomaly Detection, Time Series, Bayesian Inference, Optimization
Improving On	- Deep Learning (NLP, Image, Vision), Reinforcement Learning, Transfer Learning, Robotics

RELEVANT EXPERIENCE

Capgemini America

Lead Data Scientist — *Atlanta, GA | Nov 2018 - Present*

- Experienced in providing predictive analytics for transaction reduction in the cable industry (demand forecasting, network outage prediction, employee 360 personalized recommendations)
- Experience in designing and implementing data science architectures within the business framework
- Expertise in taking business requirements & defining ML problem framework
- Experience implementing ML@ scale and taking ML to production (Kafka Streams, Spark Processing, Hive/HBase: Beginner)
- Responsible for developing analytics strategy, use case identification, proof-of-concepts & end-to-end execution for true ROI

Cyient Insights

Data Scientist — *Chandler, AZ | Sept 2017 - Nov 2018*

- Developed predictive analytics solutions for the aerospace industry (health monitoring & diagnostics – Anomaly detection)
- Adept at data wrangling, data visualization & machine learning model development (supervised, pattern mining, clustering)
- Responsibilities:
  - Identifying and managing the analysis and implementation of client's internal and external data to drive decision making
  - Query databases and perform statistical mathematical analysis. Work directly with customer teams to help design and generation of reporting frameworks that provide insight to the performance of client's business programs
  - Create reusable implementations of statistical tests and ML models (R, Python etc.) using available technologies
  - Assist in customer engagement management, project scoping, budgeting, time-line management and results documentation to ensure professional relationship management
  - Define solution architectures using engineering knowledge and translate executive requests, questions, concerns or ideas into successful data science implementations.

Pratt & Whitney Canada

Analyst, Material/Structural — *Mississauga, Ontario | Dec 2010 – Sept 2017*

- Collaborated with IT & Engineering teams to develop data strategy in support of advanced analytics
- Developed machine learning use cases for quality, manufacturing, supply chain & aftermarket (spare parts) departments
- Helped in the design and implementation of dashboards and BI solutions for internal and external reporting
- Expert in physics-based modeling - numerical methods (FEM), mathematical simulations & design optimization
- Experienced in manufacturing & production technology, MRB activities & process root cause analysis
- Experienced in gas turbine engine development from concept design, first engine test, certification and production phase
- Specialist in design, structural & dynamic analysis, impact & fracture mechanics, fatigue life evaluation, structural testing
- Expertise in full engine & component rig tests to support internal engine development & analytical methods validation
- Experienced in writing certification reports for regulating authorities such as Transport Canada, FAA & EASA

EDUCATION

University Degree	University	Year
MS, Computer Science – Data Science	University of Illinois Urbana Champaign	2019
MS, Aerospace Science & Engineering	University of Toronto, Canada	2010
BS, Mechanical Engineering	Jawaharlal Nehru Technological University	2008