MANOJ KUMAR

Full Stack Data Scientist/Consultant

Looking for Spring (Apr 2022 - Jun 2022) & Summer (Jul 2022 - Sep 2022) Internship

✉ Manhojkummar@gmail.com

☎ +1 248-854-8669

📍 Troy, Michigan, 48084

 https://github.com/Manoj15

in https://www.linkedin.com/in/manoj-kumar-57188b122

🌐 https://manhojkummar.wixsite.com/my-site-3

EDUCATION

WALSH COLLEGE OF BUSINESS & ACCOUNTANCY
Troy, Michigan, USA
Tech M.B.A with concentration in Data Science (STEM)(Expected Sep 2022)

I.I.I.T BANGALORE & UPGRAD
Bengaluru, Karnataka
Post Graduate Diploma (Machine Learning & Artificial Intelligence)(Dec 2019-Dec 2020)

B.M.S INSTITUTE OF TECHNOLOGY
Bengaluru, Karnataka
Bachelor of Engineering (Computer Science) (Sep 2016)

SKILLS

Python, R and SQL

Spark and Hive

Microsoft Excel & Powerpoint

Business Consulting, Strategy and Management

PROFESSIONAL SUMMARY

Experienced full stack data scientist with 4+ years of experience working in the aviation, financial and retail industry. A data story-teller and with a strong positive perception of using ML/AI in the industry to make decisions better. Have consulted companies in leveraging smart data driven decisions by adopting data integrity and governance. Worked in world's leading companies like Rolls-Royce and Walmart Labs. I have also been a data science trainer/mentor.

EXPERIENCE

DATA SCIENTIST
Walmart Labs, Bengaluru, Karnataka / Oct 2019 - May 2020
- Part of the International Pricing Team, worked on projects like Markdown Optimization and Customer Analytics.
- Built an in-house forecasting tool using machine learning and statistical models to predict weekly demand of 60 million SKUs across multiple countries, which replaced a third-party solution.
- Improved forecasting performance by 27% using feature engineering and complex machine learning black box models.
- Reduced computational time by 70% by using distributed computing (Spark) & was awarded the SPOT award for the same.
- Integrated MLOps principles to the data pipelines for streamlining.
- Collaborated with business stakeholders for capturing product requirements, sketch product roadmaps, understand market specific nuances and help adopt the product in 5 countries.
- Built dashboards for tracking model performance and data governance, and to understand the reason behind it using model interpretability based algorithms.
- Mentored & guided graduate interns in their data science journey.

DATA SCIENTIST
Network International LLC, Dubai, Dubai / Mar 2019 - Jun 2019
- Built a churn model with churn risk prioritization for each acquiring merchant based on the transactional, demographic, product cross-selling data available and made it available to the RM's through a dashboard.
- Consulted companies on using POS(Point of Sale) data to leverage smart decision making by analysing and creating reports.

Tableau, PowerBI, RShiny & Dash

MLOps (Machine Learning + DevOps)

Machine Learning

Deep Learning

Statistical Analysis & Modelling

Time Series Analysis & Modelling

Natural Language Processing

Interpretable M.L & A.I

Hadoop & Big Data Ecosystem

Spark (Python)

Relational and NoSQL Databases

AWS (S3, Sagemaker)

Google Cloud Platform (BigQuery, Dataflow)

Microsoft Azure (Databricks, Data Factory)

Github

Airflow

Docker & Kubernetes

Flask & Fast API

Keras, Tensorflow & Pytorch

DATA SCIENTIST

Rolls Royce PLC, Bengaluru, Karnataka / Mar 2018 - Mar 2019

- Was part of a 12 member Data War Room in Derby, UK consisting of top data scientists/engineers in Rolls Royce. The war room got recognition for its capabilities and achievements in providing data driven decisions.
- Performed root cause analysis for the Trent 1000 IPC Rotor 2 problem using Agile Data Science. 360 degree analysis to explore avenues of probable causes and key drivers impacting the blade life.
- Leveraged techniques like Autoencoders, Random Forest, Linear Regression and inferential/descriptive statistical techniques to identify anomalies.
- Leveraged tools for crunching and training models like Spark, Nvidia GPUs and H2O Flow.
- Analysed effect of volcanic ash on Trent 700 engine using flight path and volcanic cloud profiles and developed a risk model.

DATA SCIENTIST

INSOFE, Bengaluru, Karnataka / Jan 2017 - Mar 2018

- Consulted for clients in the automobile, manufacturing and telecom industry.
- Worked on various analytical projects in supply chain, churn modelling, customer segmentation and natural language processing.
- Academic trainer by training corporates in modules like Statistics, Machine Learning, Big Data, Deep Learning and Natural Language Processing.

INTERN

SAS Institute Pvt Ltd, Bengaluru, Karnataka / Nov 2016 - Jan 2017

- Data standardization using Base SAS modules like Soundex for standardizing addresses of insurance customers.

ACHIEVEMENTS

- First place in Walmart's LiveBetter Hackathon which was globally organised in 10 countries. Our solution was to tackle optimum placement of electric charging stations across the USA for converting the current Walmart fleet to Electric using Graph/Network Algorithms.
- First place in Rolls Royce Data Science Hackathon on using predictive analytics for a manufacturing problem.

CERTIFICATIONS

- Certificate program in Engineering Excellence in Big Data Analytics & Optimization from International School of Engineering, Bengaluru certified for the quality, pedagogy and assessment by LTI of Carnegie Mellon University, USA.