

Mohit Monpara

Data Scientist

Results-driven Machine Learning professional with good technical skills, a firm grasp of business needs and an understanding of user requirements gathering. Capable of creating, developing, testing and deploying complex models to translate business and functional qualifications into substantial deliverables.

Contact

Phone

+91 9265490215

E-mail

monpara.mohit@gmail.com

LinkedIn

<https://www.linkedin.com/in/mohit-monpara/>

General Skills

- Statistical analysis
- Intelligence gathering
- Text Generation
- Machine Learning
- Deep Learning
- Requirement gathering
- Business analysis
- Data Visualisation
- Topic Modelling
- Agile Methodology
- Data Wrangling and Preparation

Work History

2018-12 – Data Scientist

2021-04

Pax Republic/Plaetos, Melbourne, Victoria

- Develop an automated system using Natural Language Processing and Deep Learning models to generate the textual templates which provide significant insights to the customer about their company using the deep learning algorithms with more than 90% accuracy
- Built a deep learning model to identify the cultural dimensions of the company by analysing the annual reports and vision statements
- Streamlined feature selections and reformulating topic modelling using unsupervised learning and LDA modelling method with an accuracy of 85%
- Developed a sentiment model based on a transformer-based GPT-2 model to identify the important aspects related to the company
- Develop action plans to mitigate risks in decision making while increasing profitability by leveraging data science
- Used predictive models such as machine learning and various data mining techniques to predict the nature of the data
- Derived actionable insights from massive data sets with minimal support
- Utilized analytical and technical expertise to provide insights and proposal to support business improvements

Technical Skills

Operating System:
Linux, MacOS, Windows

Database:
MySQL

Programming Language:
Python (Pandas, NumPy, Scikit-learn), R-language, Spark

Framework:
PyTorch, TensorFlow

Visualisation:
Tableau, PowerBI

Version Control:
Git

Virtualization/Cloud Environment:
Docker
AWS (IAM, S3, EC2, VPC)

- Designed information retrieval (IR) algorithm with the help of various query expansion techniques and deep learning pre-trained models to extract information from a textual database
- Compiled research data and gave professional presentations highlighting finds and recommended optimizations

2018-03 - 2018-07

Industrial Experience

Monash IE, Melbourne, Victoria

- Coordinated statistical data analysis, design, and information flow
- Identified and documented project constraints, assumptions, business impacts, risks and scope exclusions
- Evaluated consistency and importance of different business intelligence data against needs to determine optimal courses of action
- Synthesized current business intelligence data to produce reports and polished presentations highlighting findings and recommending changes
- Researched and recommended process improvements designed to mitigate operational and financial risk
- Developed reporting and insights for investor relations meetings
- Organized system infrastructure documentation and operating procedures, strengthening controls and enhancing overall performance

Education

- 2016-07 - 2018-07

Master of Science: Data Science (Advanced Analytics)

Monash University - Melbourne
- 2011-08 - 2015-07

Bachelor of Technology: Computer Science And Engineering

Ganpat University - India



Achievements

- Faculty of Information Technology Merit Scholarship (Monash University)
- Qualified GATE Examination (India)



Professional Developments

- **Deep Learning Specialisation – deeplearning.ai**
5-course specialization in Deep Learning focusing on building neural networks and ML projects. Courses includes NN, Structuring ML projects, CNN, Sequence Models, LSTM, Adam, Xavier/He initialization. Framework: TensorFlow and Keras.



Referee

Mrs. Barbara Sharp

CEO & Co-Founder, Plaetos

Email: bsharp@plaetos.com

Mr. Timothy Offor

Co-Founder & CTO, Plaetos

Email: toffor@plaetos.com