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| Divyesh Lad | |  |  | | --- | --- | | 16 Overland Road, Croydon Park, Adelaide SA 5008 |  | | 0435670019 |  | | divyeshlad@protonmail.com |  | | linkedin.com/in/divyesh-lad-abaa7188 |  | |

Recently graduated data scientist with 10 months of experience in collecting, interpreting, and analyzing large datasets. Knowledgeable in artiﬁcial intelligence, machine learning, and big data. A highly skilled communicator, with extensive technical knowledge to serve as a trusted and valuable consultant. Ability to collaborate with all levels of internal and external developers, and project stakeholders. Interested in model building that drives long-term business growth.

# Experience

##### Research Assistant Data Analyst

### *University of South Australia - C3L - Adelaide, SA* MARCH 2020 – present

Working with the Centre for Change and Complexity Lab (C3L) under the Teaching and Innovation Unit at UniSA.

* Performed ETL and presented the results in the form of an **Excel** pivot table to understand the behavior of students.
* Leveraged data warehousing and visualizing capabilities in **Python** to compare and understand the influence of different factors on students’ online engagement activity.
* Implemented linear mixed models (lmer) in **R** to estimate the student performance by controlling random factors of student id.
* Performed extensive post-hoc analysis to check the residual assumptions.
* Wrote python scripts to automate data merging & transformation, masking, and visualization processes.
* Built a new feature engineering approach to improve the model’s overall predictive power.

##### Natural Language Processing Engineer

### *Creative Mantra* JUNE 2020 – present

Working on an online editing platform to provide an in-depth analysis of prose.

* Spearheaded the implementation of building features and creating automated reports to meet the demands of publishing professionals and discerning readers.
* Developed, evaluated, and maintained **NLP modules** that assisted authors in improving the manuscript by recommending cleaner dialogue, eliminating needless filler, keeping the reader engaged by fine-tuning pacing, and setting the emotional tone of the writing.
* Monitored and created test cases in a **Python** environment for different modules related to pacing, dialogue delivery, and word choice for validating data and resolving issues.

***Achievement: Decreased the rate of false positives in the traditional model by ~10% following robust data cleaning and wrangling procedures.***

##### Data Visualization Consultant

### *City of Adelaide* NOV 2019 – DEC 2019

Worked with Adelaide council's business development department on the Smart CBD project.

* Delivered an interactive dashboard in **Power BI** for retailers to make informed decisions about the vacancy and occupancy rates of businesses in the city precinct.
* Optimized the existing design by performing rigorous data cleaning to highlight the major businesses at the precinct level.
* Integrated data from multiple data sources and maintained the integrity of the database.

***Achievement: Built a POC to identify the key relationship between revenue earned and the rent paid by the businesses which in-turn helped the council to support industries with lower income and startups.***

# Internships

##### Data Science Intern

### *ValAI - Adelaide, SA* APRIL 2020 – present

* Created automated scripts to deploy the model in the production environment and maintain data processing workflow.
* Implemented **PL-SQL** queries to pull data from the PostgreSQL database to a python environment.
* Collaborated with property valuators to perform feature selection and build AVM (Automated Valuation Model) to forecast the property prices in Adelaide.
* Built an end-to-end machine learning model using tree-based algorithms to increase the model explainability from 60% to 78%.

##### Research Data Analytics Intern

### *University of South Australia - C3L - Adelaide, SA* FEBRUARY 2020 – MARCH 2020

* Identify, analyze, and interpret patterns in complex datasets to provide on-going reports.
* Managed and integrated different data sources to resolve merge issues.

##### Capstone Program Intern

### *City of Adelaide* SEP 2019 – NOV 2019

* Contextualized and summarized different data governance policies and regulations on data privacy, data accessibility, data sharing, and data quality & assurance.
* Wrote scripts in **DAX & python editor** in **Power BI** environment to clean, transform, and analyze data.
* Gained exposure to data visualization tools and the operations in agile scrum methodology.

##### Research and Development Intern

*Ecosmob Technologies – Ahmedabad* FEB 2018 – MACRH 2018

* Suggested supervised machine learning algorithms to optimize the internal workflow of the organization.

# Skills

**Technical Skills:** Data Mining, Data Visualization, Machine learning, Artificial Intelligence, and Natural Language Processing

**Programming Language**: Python, R, SQL, Java, C, C++, Bash, and Scala

**Tools & Frameworks:** Apache Spark, Hadoop, Hive, Impala, Apache Pig,SAS Enterprise Miner / Studio, and Git

# Certifications

* Certified in **MS-SQL Server** data administrator practices. (LinkedIn Learning - August 2020)
* Training in **Git** Essential – Basics. (LinkedIn Learning - June 2020)
* Acquired **Excel Data Analysis** skills. (LinkedIn Learning - Jan 2020)
* Knowledgeable in Deep Learning: **Image Recognition** (LinkedIn Learning - Oct 2019)
* Certification in **Improving Deep Neural Networks** (Coursera - August 2019)
* Certification in **Neural Network** (Coursera - July 2019)
* CCA **Spark and Hadoop Developer** (Cloudera - March 2017)

# Education

##### University of South Australia

Master of Data Science (6.15 out of 7) Graduated - 12/2019

* Top 10% percentile in class.
* Volunteered to work for a non-profit organization (Birthing Kit Foundation Australia) on a data migration project.

##### Parul University

Bachelor of Computer Science (6.3 out of 10) Graduated - 05/2016