Jivitesh Poojary

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EDUCATION

Master of Science – Data Science   GPA 3.84 / 4.00   **May 2018**
School of Informatics and Computing, Indiana University Bloomington   Bloomington, Indiana

Bachelor of Technology – Information Technology   GPA 7.70 / 10.00   **May 2013**
Veermata Jijabai Technological Institute (VJTI), Mumbai University   Mumbai, India

SKILLS

Programming Languages: Python, R, SAS, C, C++, SQL

Data Engineering Tools: Oracle Database, IBM DB2, PostgreSQL, MySQL, Hadoop, Spark, Hive, Force.com, MongoDB

Machine Learning Tools: Spark, RStudio, Scikit-learn, NLTK, Weka, Jupyter, BeautifulSoup, NumPy, SciPy

Visualization Tools: Shiny, Tableau, ArcGIS, Matplotlib, GGplot, Plot.ly, Salesforce.com Analytics cloud, D3.js, Bokeh, Vega

EXPERIENCE

Cognitive Development Lab – Research Assistant   **May 2017 to Present**
- Validate research hypothesis using Python on egocentric vision data obtained from Amazon Turk annotated video recordings aimed at finding insights into development psychology with Prof. Linda B. Smith.

High Alpha – Student Consultant   **May 2017 to Present**
- Collaborate with a team of engineers to apply feature extraction techniques on text data, using TF-IDF for vectorization and building machine learning models in Python for predicting the document category.

Cyberinfrastructure for Network Science (CNS) Center – Software Developer   **March 2017 – Present**
- Develop visualization tools for an NIH funded project to understand the factors responsible for the opioid epidemic in Indiana State, using D3.js, R, React.js, Python and Tableau.

Government of Maharashtra – Chief Ministers' Research Fellow   **Sept 2015 – July 2016**
- Analyzed Industrial Economics data and presented analysis and recommendations to improve 'Ease of doing business' indicator in the State of Maharashtra. Developed story boards to improve land allocation and land acquisition processes.

Deloitte Consulting – Business Technology Analyst   **Jan 2014 – Sept 2015**
- As cloud specialist, designed and developed applications on the Force.com platform. Helped clients in developing complex product pricing strategies and their technical implementations, improving quoting and contracting system.
- Designed tools to perform ETL processes and analyze data using reports and dashboards that helped clients ingest data from multiple sources.

All India Institute for Local Self-Government – Data Analyst intern   **July 2013 – Oct 2013**
- Created processes and developed spatial analysis tools for analyzing data collected by local authorities. Helped researchers identify techniques used by Urban Local Bodies for improving processes for measuring, monitoring and improving delivery of water and sanitation in urban India.

PROJECTS

Opioid Epidemic Visualization Challenge (Indy Big Data 2017)   **July 2017 – September 2017**
- Developed analytical reports and presented the risk factors responsible for the opioid epidemic to Mr. Jim McClelland, Executive Director for Drug Prevention, Treatment, and Enforcement, State of Indiana and over 800 conference participants.

Kaggle Competitions and Datasets: **Oct 2016 – April 2017**
- Outbrain Ad prediction: Applied Follow the Regression Leader (FTRL – Proximal) algorithm for predicting the probability of an 'ad' being clicked, using the High Performance Computing servers at IU.
- Anomaly detection in Credit Card transaction: Addressed data imbalance through oversampling and undersampling techniques. A bootstrap technique with some ensemble methods helped in reducing the false positives significantly.

Citadal Securities Data Open: **April 2017 – May 2017**
- Analyzed LinkUp data on US Labor market, demographic data from US Census department and determined insights that could help the organization in making proper investment decisions. Identified patterns in our data and obtained 6 significant factors that impacted the employment rate in United States.

AWARDS AND LEADERSHIP

- Founder and acting Director of Professional Development - IU Data Science Club   **February, 2017**
- Awarded 'Certificate of Appreciation' from State Government of Maharashtra for outstanding work   **August, 2016**
- Awarded 'Outstanding Employee Award' for client service at Deloitte   **May, 2015**