Pramod Paul   Data Analyst | Data Scientist

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Summary

Data Analyst | Data Scientist with experience in exploratory data analysis, solving complex problems involving data and providing meaningful insights in financial, insurance, education and automotive domains.

Skills

- Programming skills: SQL, Python, Html, CSS, Java script
- Tools: Microsoft Power BI, Oracle BI OBIEE, Informatica, Excel, ETL
- Languages: Python (scikit learn, pandas, statsmodels), bash
- Visualization: Seaborn, Matplotlib, Tableau
- Database Management: SQLite, MySQL, PostgreSQL, SQL Server, Access
- Big Data: AWS, Spark
- Supervised / Unsupervised Machine Learning: Regularization with Lasso, Ridge, ElasticNet, Linear/Logistic Regression, kNN, Decision Trees, Bagging/Boosting Models, Model evaluation with ROC curve, cross-validation, bootstrapping, grid-search,DBScan
- NLP - Natural Language Processing: ELMo, Doc2VecWord2vec, Sent2Vec, Exponential family word embeddings, Tf-idf

Education

- **General Assembly Data Science Immersive course** | **Mar 2019 – June 2019**
  Capstone project: Anomaly detection/prediction enhanced by Natural language processing (NLP) techniques
  Problem: 1) In the financial domain, anomaly detection solutions are not able to use all the text data that was available for the customers like emails, chats with customer agents, survey information, financial transaction information, etc. Not able to channel these data to make better anomaly predictions. 2) Numerical and text data used separately. Training the NLP model to catch the anomaly was the most difficult part.
  Solution: 1) Designing and implementing a prototype machine learning solution which can ingest both numeric and text data and make better predictions. 2) Training of the model done by converting the dataset to text that NLP technique understands. **Git-hub portfolio: https://github.com/pramodpaul12**
- Coursera IBM Data science professional certificate course | **Nov 2018 – June 2019**

Experience

Latitude Financial Services | Business Analyst |Data Analyst | Project Lead| Sept 2016 – Oct 2018

- ➢ As Release analyst for Data & Digital transformation projects.
- Capture requirements working with collections, fraud, credit and risk teams for all products & oversee client interaction and engagement for proper clarification.
- **Analyzed business processes: Sales, Personal loans, credit cards, auto loans, collections, fraud, credit and risk.**
- Analyzed data by querying using SQL statements & ETL.
- Set up daily/weekly/monthly reports for various teams using Microsoft BI & Tableau.
- Prepared reports for the Sales and marketing team for campaigns
- Manage software releases for all data related projects.
- Once dry run is certified, lead the deployment in production environment.

- ➢ As Business Analyst |**BI/Data Analyst** for **PCI- DSS** (Payment Card industry- Data Security Standards)
- Analyzed data for credit card data compliance for all business processes. (**Personal loans, credit cards, auto loans, collections, fraud, credit and risk)**. Analyzed data by querying using SQL statements. Prepared reports using Microsoft BI & Tableau. Worked with Collections, fraud, Credit and risk teams for all products.

- ➢ As Business Analyst |Project lead for Active Directory Migration project
- Defined business objectives & requirements.
- **Analyzed Business processes- Collections, fraud, personal loans, credit cards, auto loans.** Complex project involving 800 servers, 100 applications, out of which 57 applications are critical.
- Successfully migrated 800 servers from GE domain to Latitude domain with minimum business impact
- Involving migration of 500 TB of data. Major part of technical team was offshore.

- High risk and highly visible as project was integral part of GE exit requirement..
- **Technologies:** SQL, SQL server, Power BI, SSRS, Tableau, Jira, confluence, API, AWS, Git-hub, Swagger, Service Now, Windows, Linux, Unix, Azure, Citrix,F5

Grey Ocean Analytics | Data Analyst |Delivery Lead | Sept 2014 – May 2016

- Data analysis, manipulation and investigation to provide meaningful insights.
- Analyzed processes: Sales, Procurement, Wellbeing, Team Performance.
- Set up daily/weekly and monthly reports for customer.
- Query done using SQL statements.
- Used linear regression, logistic regression & recommendation engine machine learning models.
- Design, software build, test and deploy onto linode and AWS (Amazon Web Services) virtual servers of the following SAAS (Software As A Service) products: a) DEW employee well-being software b) Recommendation engine with virtual assistant- Artificial intelligence algorithms
- Agile Methodology (Scrum Model). Facilitated the offshore development team by important roles as data analyst, business analyst & product Owner
- **Technologies:** Drupal, SQL Server, Microsoft BI, SSRS, MySQL, Python, Neo4j, AWS, linode and machine learning algorithms

DXC technology |General Motors| Data Engineer| Aug 03 – Jan 05

- As vehicle data engineer for General Motors Vehicle data modelling & simulation team.
- Created and maintained vehicle simulation models & simulators involving data for various General Motors cars & trucks. **Technologies:** C/C++/Mat-lab/Simulink.

DXC technology |Royal Bank of Scotland |Business Analyst | Jan 05 – Jan 07

- As Business analyst for migration, production support and maint for 16 financial applications involving **personal loans, collections, fraud, risk and credit cards, home loans & auto loans.**
- Query done using SQL statements from SQL Server and Oracle DB servers.
- **Technologies: Power BI,** Microsoft Client Server tools (SQL server), Oracle, Informatica, ETL, dotnet

Unisys | Project lead| Tech Delivery lead| Customer facing| Nov 2009 – Apr 2014

- California State University Account (Government higher education university with 23 campuses, 412,000 students and 43000 government employees)
- Functioned as Tech Delivery lead and Project lead for the account.
- Member of the core account team reporting to service delivery manager & account director. Managed technical & service delivery of applications and cloud/physical environment of windows, UNIX and Linux servers and networks.
- Operational governance: Managed operations based on the ITIL framework and achieving (customer satisfaction ratings) CSATs of 10/10. Incident, problem & change management processes were followed. Risks were managed using best practices in the industry. Quality assurance was implemented and ownership of each product/service/module/part was clearly defined and owned by respective team members.
- **Technologies: Oracle BI- OBIEE, Microsoft BI**, **SQL Server, Tableau,** Vm-ware, Citrix, Oracle database, Unix, Linux, telephony, windows server and windows desktop, Service now.

Other Education & Certification

- Certified PEGA Business Architect
- Professional Scrum Master
- Certificate IV in Training & Assessment: TAE40110, TDIA Melbourne.
- Bachelor of Technology: Electrical & Electronics Engineering
- MBA- Information Systems
- Executive education: MIT Sloan Institute of Management, Neuroscience for leadership
- Agile Methodology, Lean Sigma training & Microsoft Project SME training
- Microsoft office advanced user: Excel, Word, Power point, Visio
- Trained in Python, SQL, AWS & Azure technologies
- Project Management Professional (PMP) from PMI