Shivendra Upadhyay

Consultant

(+91) 9535690766 | Shivendra.su@gmail.com

(+91) 9535690766 | Shivendra.su@gmail.com

Professional Summary

A Data Science, Machine Learning, Analytics, Consulting professional and Engineering Graduate with over 8 years of S/w development, data analysis, business consulting and delivery experience across BFSI, Telecom,CPG Healthcare and Retail.

Over 3 years of people management and mentoring, project management experience
- Over 4+ years of advanced analytics experience in highly quantitative and data centric roles in the areas of Risk Modeling Predictive Modeling, Forecasting, Customer analytics
- Over 4 years of hands-on experience in Business Analytics, machine learning analyzing both qualitative & quantitative data with data visualization and predictive analysis using PYTHON, Alteryx Excel, SQL
- Over 5 years' of hands-on experience in Data Visualization with TABLEAU ,Qliksense and Qlikview
My primary depth areas are Consulting, Analytics, Data Science, Machine Learning, Modern Data Platform, BI and traditional Mission Critical systems.

I've worn many hats in my career—Data Science Consultant, Programmer, Support Engineer, Quality Analyst, Lead . As a result, I have a unique ability to seamlessly integrate business with technology and navigate through complex challenges.

Aspires to pursue a long term career in data science,

EXPERIENCE

(Nov '15– present)

Consultant: Data Science – Analytics, Machine learning and Data Visualization

KPMG Global Services:

- My key focus is on understanding client's Business, Technology and Market requirements and aspirations and then co-formulating a Data and Insights driven Solution Strategy, while coaching the key stakeholders through the process, resulting in rapid technology adoption in field of BFSI, CPG, Retail, Healthcare domain etc.
- Fair amount of experience with Consulting, management, resource planning and business process solution with stake holders.
- Have critical experience in project planning, requirement gathering, solution strategy, designing, analysis, RFI, forecasting and project execution/implementation, risk management.
- Have good experience of working in SDLC, ETL, DWH, Agile, waterfall methodologies and cloud technologies: AWS, GCP etc.
- Experience & proficiency in using statistical computer languages & frameworks (Tableau, Python, SQL, Alteryx, Qlikview , Tensorflow ,Scikit-learn ,Keras ,Word2Vec,Pandas ,NumPy,OpenCv,Bokeh,matplotlib,PyTorch ,Git,Spacy ,Gensim ,AWS Hive ,Spark ,SVN ,HP QC,JIRA etc.)
- Have good understanding of statistics & algebra also fair amount of experience in various ML algorithms like KNN,K-Means ,SVM,Logistic Regression ,Random Forest ,PCA ,Decision Tree,,XGBoost,Neural Network, Ensemble Learning ,CNN,RNN,NLP ,NLTK ,text classification ,image classification ,sentiment analysis ,recommender systems etc and their respective applications.
- Model selection: grid search, cross validation, metrics - Hyper-parameter tuning: GridSearchCV, HyperOpt
- Have worked to create a document classification model for Audit clients so they can rank and tag the most relevant docs and save the man hours in Auditing the clients .Gensim ,Doc2vec techniques were used and to classify them Affinity Propagation algorithm was used in Python.
- Have worked to develop an account performance scorecard model for a BFSI client to predict the accounts which are on the verge of default via rating them on the basis of their past performance and credit risk scores .XGBoost, Naïve Bayes,Gradient Boosting and sampling methods were used to create the model in python and it was deployed on a Flask framework.
- Data Exploration, data preprocessing, feature engineering, feature selection, model evaluation, correlation, parameter significance Tests, EDA.
- Have worked in a NLP solution for USA government sub-contractors where we build a model to capture the manual invoices and contract form

business strategy, business analytics and consulting.
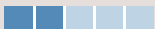
details. We used word2vec model, Spacy ,Gensim to classify the expenses to rightful departments and their sub-streams. It saved huge man hours plus reduced errors in processing of info drastically. Python and Tableau were used for data processing and visualization.

- Fair amount of experience with large datasets and EDA and data analysis.
- Worked on a Predictive Model for account reconciliations / JE reconciliations using Python. The first live machine learning project which has fused data science with finance in Controllership Org.
  Potential Benefit .The account recons risk coverage has increased from ~ $10M to ~ $50M . Run time JE validation resulting a decrease in recon errors by ~ 60%
- Have worked in pilot project for the biggest UK retail giant to regulate the Soy consumption in their products via various suppliers via comping up with custom business rules and the data was web scrapped via Python and data modelling was done in Alteryx and Key insights were presented in Tableau. Sql server was used for data storage.
- Used Python to automate the Database administration activity for Audit team so they can save time and manual effort also formatted reports were generated as per business requirements for Key stake holders.
- Have worked in healthcare project where KPMG came up with patient cost effective solution via scrapping public healthcare data in US and coming up with interactive dashboards and predicting the patient footfall for hospitals in respective states .Python ,Multi Linear Regression and Qlikview was used in it.
- Have been part of many POCs in order in field of data science and ETL.
- Good command over database technologies and data modeling like Oracle, sql server.
- Have also used cloud platforms like AWS EC2 and GCP for machine learning and data analysis.
- Firm grip on visualization & ETL tools like Tableau, Alteryx, Qliksense, Qlikview to provide reports and summery of analysis or findings.
- Extensive experience working with cross-functional teams including delivery teams to understand and communicate business problems, different clients across globe also have fair amount of experience in project management.

(Nov '13 – Oct '15)

Senior BI/Aanlytics Developer:
NTT Data GDS:

- Have worked in NTT Data, Bangalore as a DB/BI developer for Fidelity DWH project for HR and business activity dashboard reporting framework called Digital Dashboard using Tableau.
- Perform development of various business metrics via creating periodic dashboards, reports and story points in Tableau to help Fidelity top management take informed decisions in investment business. Have to do data migration, unit testing and performance tuning on SIT, UAT and Dev environment.
- Actively involved in requirement gathering and enhancement process for existing code. Analyze the requirement and work with BA also take part in Data Modelling. Have to resolve production defects need to attend client call and provide on call support to business user.
- Project based on Informatica, Plsql and front end reporting is being done via Tableau .These report give real time aspects with KPIs of business usability and efficiency via which business processes can be enhanced to
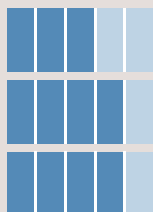
Certifications

Machine Learning
Python
Altetryx Core Designer

Skills

PERSONAL

Analytical
Organization
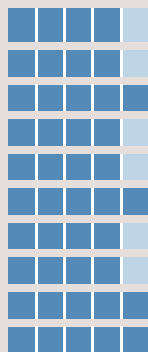Team player
Creativity
Communication
Professionalism
Flexibility
Adaptability
Goal Oriented
Learning

LANGUAGES

English
Hindi

+ Professional Recognitions / Awards

Q4,2015 : "Pat on the Back" Award, at KPMG

Q1,2014 : "Kudos" ,at NTT Data

Q2,2012 : "Rising Star" ,TechMahindra Ltd

---

help enable the clients goal more palpable and to improve productivity in long run via refining the strategic model of a Competitive Intelligence Framework with a view of creating a competitive advantage and go to market strategy for Infosys services and products.

(June '10 – Oct '13)

Software Engineer

TechMahindra LTD:

- Have had 3.5 years of exp. in TechMahindra, worked in Plsql ,DWH.
- Have worked as an Oracle application developer for 3 years.
- Have both functional and technical knowledge of Sales and Marketing and Order Management. Also have fair experience of leading the team and driving business growth.
- Excellent analytical and programming skills, Self-motivated, a quick learner and team player. Extensive knowledge of telecom functioning with very good grip on technical niche.

EDUCATION

(2005 – 2009)

Bachelor of Engineering (B.E.)

RCET ,Bhilai ,CG
Major: Computer Science | **Percentage**: 65.4

(2003 – 2004)

12th Board (HSC)

BSP HSSR ,Bhilai
CG Board | **Percentage**: 70.2

(2001 – 2002)

10th Board (SSC)

BSP HSSR ,Bhilai
CG Board | **Percentage**: 79.9

Personal Details

Date of Birth   : 17th DEC 1986.
Marital Status: Unmarried.
Passport No   : H3875857
Nationality   : Indian.

Personal Hobbies and skills

Divisional level cricket player also University champion in cricket & basketball.
Creative Editor of college tabloid "EYE".
Scout cadet & awarded best student of the school.
Have won scores of accolades in debate & essay writing competition