PERSONAL INFORMATION

Avinash Erande

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Date of Birth	: 19/06/1991
Marital Status	: Single
Known Languages	: English, Hindi, Marathi

CAREER OBJECTIVE

Analytical and detail oriented Data Scientist with experience in Machine Learning,Marketing analytics, Big Data Analysis and providing business decisions, preparing reports,undertaking process research and analysis and effectively utilizing technology to promote high level efficiency.

EXPERIENCE

Spire Infotech(Hyderabad)   *June 2016 - August 2018*
Data Analyst
• Using R, Python and machine learning for data pipelines to get predicted output and doing analysis on that data.
• Provided through documentation of all BI applications and processes to be used in event of equipment.
• Assisted in the integration efforts for merging BI platforms with enterprise systems and applications.
• Use of framework like tenserflow, keras, scikit-learn etc
•Working knowledge of supply chain domain, optimization, retail and statistical modeling etc.
•Analytical model development using R and python

Northcorp Software(Reliance Jio)(Navi Mumbai)
Data Scientist   *September 2018 - September 2019*
• Analyse and consolidated data across the business and made effective planning decisions.
• Analyze client's business requirements and processes through document analysis,workshops, and workflow analysis.
• Understanding of data gathering, inspecting, cleansing, transforming and modeling.
• Analysis using mining, evaluation and visualization
• Use of R, Python, Machine learning for predictive analytics, Tableau for reporting and Sql for query reporting.
• Analytical model development using python and RShiny
• Analytical processs building using big data technologies.

Collabera Technologies Pvt Ltd(ZS Associates)   *December 2019 - Present*
Data Scientist
-doing predictive analytics on pharmaceutical sales data.
- making dashboard for sales analysis using R
-Making decks for analysis and reporting.

TECHNICAL SKILLS

Excel,SPSS, R, Python, Machine learning,Tableau, Power BI, Sqlyog,Kafka,ETL, Big data technologies, Project management, AWS, IoT, etc
Deep learning, Hive, Data mining & Data Analytics, SQL, Data Quality & Management,SDLC,Testing, GPU, Tensorflow, keras, RShiny etc.

PROJECTS

1)Ecommerce Products Sales Forecasting System   *6 months*
The data provides information on the historical sales data of number of stores of
ecommerce company, each of which having various departments. The goal is to predict
the department-wise sales of each store using the historical data spanning

across number of weeks.
i)Role and Responsibility -
As R developer i have to work on timeseries dataset,data manipulation in R and machine learning in R.
ii)Tools and understand -
plyr, forecast and reshape package in R,
R studio, ARIMA Model, SQL, AWS etc

2)Loan Sanctioning Prediction System and analysis   *6 months*
The data provides us a taste of working on datasets from insurance company.
This is classification problem. The data is generated monthly basis.

i)Role and Responsibility

Input variables -State, gender, age, marital status, occupation, income, debts, credit score.

The role is to apply PCA(principle component analysis) and Naive Bayes Classification with R.

ii)Tools and understanding -

R studio, Machine learning algorithm, SQL

3)Electric device automation using ML and IoT   *3 months*
This project is about saving electricity power in offices.We used predictive model, IoT(internet of things) and AWS Machine learning for this.In detail linear regression is used for prediction and also Raspberry pi3.

i)Role and Responsibility -

-As a data person, i have to build model using techniques like linear regression for prediction purpose.AWS S3 for storing dataset.

- led.py, cam.py, regression.py are used for implementation.In csv file date and time are attributes for prediction.

ii)Tools and understanding -
Python, AWS S3,Raspberry pi3, Predictive modeling Machine learning etc

4)Fraud Detection in Credit Card Transactions   *3 months*
Fraud model is used to know if a particular transaction is fraudulent transaction. Historical data having details of fraud and non fraud transactions can be used to build a classification model that would predict chances of fraud happening in a transaction.

i)Role and Responsibility -

-As a Data analyst , i have build a classification model for this problem like logistic regression or decision trees.

-Use of predictive analytics using different machine learning algorithms

- python is used as a programming language.

ii)Tools and understanding -

-pycharm, python, pandas, numpy, SQLetc.

5)Building Convolutional Neural Networks for Sentence Classification
-We show that a simple CNN with little hyperparameter tuning and   *3 months*
static vectors achieves excellent results on multiple benchmarks.
i)Role and responsibility -
-I design the text classification pipeline.

-It consist following components.
1)Training text
2)Feature vector
3)Labels
4)Machine learning algorithms
5)Predictive model
- The result of each convolution will fire when a special pattern is detected.
-By varying the size of the kernels and concatenating their outputs, We allowing to detect patterns of multiples sizes.
ii)Tools and Understanding -
Python, keras, pandas, sklearn, CNN, Hyperparameters, NLP

6)Real Time Weather Prediction and analysis   *3 months*
Predicting future weather using real time. Realtime spark streaming is used with ELK stack for data processing.

i)Role and Responsibility

-As a data scientist i have to do apache kafka streaming through ELK stack.
-The project is for to know weather conditions in future & according to that they takes their crop to increase their production.

ii)Tools and understanding
-Apache kafka, ELK stack, pycharm for python

7)CPU Usage Prediction   *3 months*
-Finding out cpu usage using machine learning algorithm. Kafka streaming is used for real time data processing.
Role and Responsibility
- Building regression model using algorithm and predict output values.
Tools and understanding
-Apache kafka, machine learning,python, tableau for visualization.

8)Novo Nordicks Pharma Sales   *3 months*
-Using machine learning do prediction on sales data.
-Analysis done nation, region, district and territory wise.
-Application of R and Tableau for prediction and reporting purpose.

EDUCATION

University of Pune 2019
Master of Computer engineering
8.4 SGPA

CDAC Pune 2018
CDAC Post Graduate Diploma in Big Data analytics
62%

University of Pune 2016
Bachelor of Computer Engineering
58%

Maharashtra State Board 2009
HSC
64.16%

Maharashtra State Board 2007
SSC
82.46%

ACTIVITIES

BI and big data analytics, Ethical Hacking, CCNA, SCTS(Seed Certified Technology Specialist), IBM Certified SPSS Modeler Professional

INTERESTS

Data analytics and learning new technology, listening music etc