

Deepti Kulkarni

I am a data enthusiast, passionate for big data and analytics, highly organized & a quick learner with 2.5+ years of data & business analysis experience seeking a fulltime opportunity as a Data analyst from Aug 2020. I aspire to use my passion in the field to provide meaningful insights from data to help in business decisions, achieve growth & profitability.



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EDUCATION

California State University East bay | M.S. Business Analytics | GPA: 3.7 / 4.0 May 2020
University of Mumbai- Welinkar Institute | Master of Management Studies May 2015
University of Pune | Bachelor of Computer Engineering May 2012

TECHNICAL SKILLS

• **CERTIFICATIONS:** SQL for data analytics & business intelligence, Neo4j, Tableau A-Z, Python & Power BI (A-Z for data science)
• **Programming Languages:** Python (TensorFlow, Jupyter, Keras, NumPy, Pandas, Scikit-Learn), SQL, Hive, Pig, R, Java, C++, Snowflake database
• **Tools:** SQL MYSQL Server, Oracle SQL, R Studio, JMP Pro 14.2, AWS EMR, Microsoft Office, MS advanced Excel (Pivot, VLOOKUP, macros), Tableau
• **Data Analysis & Science:** Big data, Hadoop, MapReduce, Hive, Data Visualization, Classification, Regression, decision tree, neural networks, Clustering, deep learning, statistics, forecasting, statistical analysis, data analysis, analytical skill, Data modeling, large scale data analysis

WORK EXPERIENCE

Bytequest, California – Data analyst July 2020 - Current

• Working on machine learning models & data visualization using Neo4j & Python to take insights from data by determining the meaning of complex data and formulating clear, concise, and compelling written/verbal conclusions or recommendations based on analyses based on which stakeholders can make decisions

RedHat, India- Analyst Feb 2016 - March 2017

• Business process improvement project- Analyzed & worked independently in cross-functional teams, using employee datasets & the process workflow diagrams
• Gathered & analyzed requirements from stakeholders on analytical problems, provided recommendations to translate business insights into decisions & actions
• **Improved the process turnaround time by 12%** with continuous improvement and presented it to the stakeholders
• Aligned new team of 6 people & trained them on core functionality. Received 3 appreciations rewards regarding customers partnership & rapid response

Barclays Technology Centre- Business Analyst August 2015 - Feb 2016

• Market Analysis - Benchmarked & presented Barclays against its 3 other business competitors using the Gartner magic quadrant & data visualization tools using marketing data by understanding marketing and sales process so stakeholders can take decisions to improve performance focusing on growth
• Analyzed large employee dataset to find the **attrition rate of 17%** using excel, v lookup, and macros by working on complete recruitment lifecycle (Taleo)
• Used SQL proficiently to deliver insights to product & business teams

RPG Raychem & Titan- Data analyst intern April 2014 - Oct 2014

• **Analyzed Productivity of Employees** using data of Tanishq to gather insight into their HR processes especially related to Employee performance and gender
• Used different analytics tools in excel such as correlation formulae, comparison formulae, etc. to drive the analysis
• Gap Analysis- Manpower Budgeting- Analyzed the Manpower budget for 2 financial years to find out current and future manpower needs
• Researched and worked on Business excellence report. **Developed the dashboard** using Tableau & business requirements documentation to monitor business

Owens Corning, India- Requirement Engineer & website developer Mar 2012 -August 2013

• Co-ordinated & gathered requirements for the website, analyzed and prepared various reports and present them to the IT Head

PROJECTS

Capstone Project- Amazon employee access challenge analysis - (Python, matplotlib, NumPy, Pandas) May 2020

• Built predictive model capable of learning from historical data to predict approval/denial for an unseen set of 59000 employees using logistic regression, deep learning dense neural network, Support vector machine, Stochastic gradient descent for binary classification with **accuracy of 94.13%**

Profit Maximization analysis – (MS Excel, Solver, Solver table)

• **Maximized overall profit by 10%** of a manufacturing company by using mixed-integer linear programming & decision tree optimization model

Blindness Detection - Kaggle Competition - (Python, Keras, TensorFlow, Numpy):

• Built predictive models to classify the microscopic images of the human inner eye based on the severity of blindness caused by retinopathy using trained CNN, Separable depth CNN & transfer learning models & determined the best model for classification using large dataset and myriad data sources
• Predicted the severity of disease for test images with an **accuracy of 80%**

Database Foundation for University using SQL – (MS SQL server):

• Created a physical SQL database of university in MS SQL Server, loaded it fully with complex data sets & Product Roadmap by assuming business rules
• Created enhanced entity-relationship diagram and performed queries to extract the information. Presented it in front of all class using Tableau & PowerPoint

Web-data Scrapping for Data Science jobs –Data Analytics - (Python, NumPy, Pandas, sklearn, Matplotlib)

• Scraped and analyzed large job dataset from REST API to get all data analyst jobs, skills, and experiences required in the Data Science field in different regions
• Employed text mining algorithms to retrieve useful information for each role & supervised machine learning to identify factors that affect the pay of jobs

Data Warehousing Project on Compass Airlines

• Developed Data Lake & enterprise bus architecture to analyze the way to store data using dimensional & fact tables.
• Recommended and created reports on how big data and data warehouse can be integrated to solve specific business decision problems of company

Price prediction data mining - (Python)

Analyzed and predicted the price of Airbnb and Toyota Corolla using cluster analysis, regression, k-NN & neural networks

Temperature Analysis - (Hadoop MapReduce, AWS (EMR, S3), pig, Big data) - Extracted & combined data from all-weather stations for the years Jan 1950-December 2017 using Hadoop MapReduce, EMR, S3 to identify maximum and minimum temperature

ACHIEVEMENTS & EXTRA-CURRICULAR

• **Grace Hopper conference scholar'19**
• Taught underprivileged kids various subjects for a non-profit 'Udaan' & analyzed the data for improvements
• Performed Bharatanatyam & Western dance forms in India and USA