Bhalchandra Shirole

bhalcs@uw.edu | +1(425)623-8654 | https://bhalchandra99.github.io/ | https://www.linkedin.com/in/bhalchandras/

SUMMARY
- BI developer with 3.5+ years of experience in developing and managing innovative BI solutions & interactive data visualizations
- Passionate about working on large scale data using advanced BI platforms and emerging data analytics technologies

TECHNICAL SKILLS
- **BI Technologies:** SAP BI, SSIS, SSRS, SSAS, QlikView, Tableau, Power BI, Business Objects (BO), SAP Data Services
- **Databases & Big Data:** MS SQL Server, MySQL, SAP HANA, MongoDB(Certified), Oracle, HDFS, MapReduce, Hive, Pig
- **Programming & Tools:** SQL, R, D3.js, HTML, Java, CSS, Python (Pandas, NumPy, SciPy, Plotly, MatPlotLib, Scikit-learn)

EDUCATION

University of Washington, Seattle, WA ⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀Anticipated Graduation: Jun 2017
Master of Science in Information Management (BI & Data Science) ⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀Current GPA: 3.87

University of Mumbai, Mumbai, India ⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀Aug 2008 - Jun 2012
Bachelor of Engineering in Information Technology ⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀GPA: 3.76

WORK EXPERIENCE

iLink Systems, BI Developer Intern, Redmond, WA ⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀Jun 2016 - Present
- Developed new BI reporting solution encompassing 40 business reports for a healthcare client using SSIS/SSRS
- Empowered the hospital management to make informed decisions about utilization of healthcare provider's resources
- Built forecasting model to predict number of appointments per month to ensure availability of doctors
- Utilized SQL stored procedures to extract data, built and operationalized the model using R Services in SQL Server
- Working on POC to evaluate PrestoDB and Apache Drill for querying data from Hadoop, MySQL and MongoDB at once

University of Washington, Teaching Assistant, Business Intelligence (IMT 576), Seattle, WA ⠀⠀⠀Jun 2016 - Jul 2016
- Assisted Prof. Sean McGann in designing the course structure and preparing lab documentation
- Conducted lab assignments and helped students understand fundamental BI concepts

Colgate-Palmolive, Business Intelligence Analyst, Mumbai, India ⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀Sep 2013 - Aug 2015
- Won individual 'Ace' award for achieving 87% improvement in ETL performance by optimizing pseudo MDX scripts
- Implemented data model and ETL for business planning application using SAP HANA, Data Services & Qlikview to merge data from Salesforce & SAP and provide unified data anlysis
- Migrated 3 market data applications from legacy systems to new BI landscape to increase efficiency & reliability
- Acted as SME (Subject Matter Expert) to provide production support reducing service tickets by 25%

Colgate-Palmolive, Business Intelligence Associate, Mumbai, India ⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀Aug 2012 - Aug 2013
- Developed dimensional model & ETL process to integrate syndicated market share data from 4 sources using SAP BI and BO
- Automated annual budget deck using VB scripts & excel functions, eliminating 3 days of manual efforts of business users
- Developed 3 QlikView dashboards to enable data slicing-dicing and drill-through, providing 360° view of the business KPIs

ACADEMIC PROJECTS

Studying impact of "Progressa" program on enrollment of poor children in Mexico ⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀Jan 2017
- Performed econometric analysis to analyze impacts of the program on treatment and control populations in 1997-98
- Exploited python libraries to analyze and validate causality using simple difference and difference in difference methods

Machine learning on Titanic data using R ⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀Nov 2016
- Evaluated linear regression, decision tree and random forest algorithms to train a model and predict passengers' survival rate
- Achieved 90% accuracy in prediction by using parameter tuning, model selection and 10-fold cross validation
- Explored "tidyverse" library for data tidying, manipulation, aggregation and creating intuitive visualizations

Twitter sentiment analysis and Facebook network graph using Python ⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀Mar 2016 - Apr 2016
- Created script in Python to break down Twitter streams and analyze tweets to generate sentiment scores
- Derived popularity of tweets and trending hashtags by aggregating retweet counts and extracting trending hashtags
- Developed network graph from Facebook's data using "Plotly" library to demonstrate small world phenomenon

Data Warehouse & Dashboard for a retail company (https://public.tableau.com/profile/bhalchandrashirole) ⠀⠀Jan 2016 - Apr 2016
- Developed multidimensional model, ETL packages & data cube using SQL, SSIS & SSAS for analyzing retail sales data
- Built dashboard in Tableau to analyze performance of various products and recommended effective marketing strategy

"Explorable Explanation" to teach Quick Sort Algorithm ⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀Feb 2016 - Mar 2016
- Designed interactive tutorial using D3.js, jQuery, HTML and CSS to teach Quick Sort Algorithm in an easy way
- Learned and applied advanced data visualization concepts and best practices to create intuitive and engaging UI