

Bharti Ajay Chauhan

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PROFESSIONAL SUMMARY

Solutions-driven business and data analyst with experience in the development, documentation, data mining, and delivery of process innovations driving the attainment of business goals.

EXPERTISE AREAS

- SQL expert, experience with database modelling – design, data cleaning and querying for reporting.
- Good with Python, for cleaning and visualization, applying ML algorithms as regression and classification.
- Excel: Advanced Excel proficient (pivot, v-lookup, conditional formatting, solver, VBA macros).
- Microsoft suite expert of development, database, reporting, integration services and tools.
- Experienced with team work as well as stand-alone projects.

EDUCATION

Master of Science in Information Technology and Management May 2021

The University of Texas at Dallas – Dallas TX, USA

3.89 GPA

Business Analytics with R, Data Management, Statistics and Data Analysis, Web Analytics, Programming for Data Science, System Analysis & Project Management, Data Warehousing, Financial Management

Bachelor's in Engineering in Electronics Engineering

May 2016

University of Mumbai – Mumbai MH, India

3.20 GPA

Computer Communication Networks, Advanced Network Technologies

EXPERIENCE

Product Manager/Business Process Analyst, Pitney Bowes Inc, Dallas TX, USA August 2021 – Present

- Successfully released 3 standalone workflow applications for ecommerce logistics operations from understanding business problems to structuring design prototype, support project lifecycle until release of the products.
- Manager of 13 micro applications and 3 stand-alone applications developed for operations management team built in Python and released through Gitlabs.
- Conduct project management by sprint planning and retrospective with engineering team on a bi-weekly basis through Smartsheet.
- Gather requirements, perform business analytics, prioritize backlog, build workflow diagrams, perform UAT and release applications as well as dashboards by liaising between Business Stakeholders and Technology partners.
- Create data structures, perform data analysis and metric standardization for reporting of operational and analytical data.
- Collaborated with data development teams to monitor data structures, schemas and identify business cases.

Data Systems Analyst, ReAlign Insurance Holdings, Dallas TX, USA

June 2021 – July 2021

- Implemented data cleaning and data profiling using **Python** scripts which were run for 6 data files monthly.
- Enhanced 3 **Tableau** dashboards for providing monthly financial reports with cleaned data files, for a healthcare client.
- Completed data migration for 4 clients using Needletail, which consisted of data pipelines built in **Big Data Hadoop** environment. Prepared corresponding documents for Needletail, demonstrating components from CLI to google sites.

Data Analyst Intern, pSolv, Dallas TX, USA

December 2020 – April 2021

- Implemented data cleaning and data profiling using **Python** scripts which were run for 6 data files monthly.
- Enhanced 3 **Tableau** dashboards for providing monthly financial reports with cleaned data files, for a healthcare client.
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Application Analyst Intern, RAPP Worldwide, Dallas TX, USA

June 2020 – November 2020

- Built 2 **MS Azure** function apps to structure json formatted data and store in **MS SQL Server** database.
- Implemented Web API production for regression test capability to visually identify defects in emails generated by **Content Management System (CMS)**, using backend **C#** and frontend **JavaScript, HTML, jQuery**.
- Developed a web application to facilitate version – control with **Salesforce Marketing Cloud** for marketing campaigns.
- Created front end and back end of a survey for new product launch marketing campaign, with 5 landing pages and 4 email templates using **MS Visual Studio**.
- Utilized **CMS Umbraco** for developing and integrating with digital marketing email campaign content.

Application Development Analyst, Accenture Solutions Pvt Ltd, Mumbai MH, India

November 2016 – July 2019

- Developed 2 tools to automate validation, report generation and manual tasks using MVC framework in C# and fetching reporting data from **MS SQL Server** saving up to 20% manual hours a month. Also, created SSRS report for calculating employees extended benefits with employee database as connection source.
- Maintained MS SQL Server and **Oracle Database** with 6 tables for a Forbes 100 Insurance client company, to update and archive datasets serving as backend web applications.
- Gathered requirements, documented design plan, enhanced and maintained 7 web applications in **ASP.NET** using C# collaborating with cross functional teams, documented unit tests and their results.
- Utilized **CI/CD tools GitHub, Octopus, Jenkins** for monthly release and deployment. Practiced backlog grooming, daily standups, sprint planning, story creations in **JIRA & Confluence** while working in Agile environment for 6 months.
- Trained in Document Archival and Batch jobs operated within the application architecture, and designated SME by the leadership. Documented 4 business process workflows of the Archival System and published them within team. Mentored and managed knowledge transitions for 3 junior team members.
- Performed data extraction of 1000+ recurrent production incidents from **Service Now**. Imported excel flat files into SQL to analyze and map recurrent problem – solutions pairs. Tested and solved 100+ production environment defects.
- Reduced data redundancy by cleaning duplicate data using **MS Excel VBA** macros. Also, used excel to generate quarterly reports and presented the growth trends to leadership and clients.

CERTIFICATIONS & TECHNICAL SKILLS

Databases: MS SQL Server, Oracle SQL, MySQL Workbench

Visualization: Power BI, Tableau, ArcGIS

Analysis Tools: Jupyter notebook, R Studio, Google Analytics, MS Visio, AWS, Hadoop, SPSS, MS Excel, MS Access

Programming: SQL, Python, R, C#, HTML, XML, JavaScript, VBA

Certifications: Google Analytics for Beginners

ACADEMIC PROJECTS

Data Management – Olympic History Database Modelling in MS Access

September 2019

- Constructed distributed data model, forms, reports, and ER diagrams. Compiled 120 years of data with 2.7M records using complex SQL queries on MS Access.

Data Visualization – Airbnb Data Analysis by Python and Tableau

December 2019

- Reported most profitable areas in a city after analysis of zip codes and property rates over Airbnb and Zillow Datasets.
- Cleaned data, built charts, plots, and performed analysis on 50k rows and 100 columns in Python.
- Insights of top 15 profitable zip codes through heatmaps and box charts in Tableau.

Machine Learning – Bike Sharing Rentals Analysis by Python

April 2020

- Performed data cleaning, preprocessing and ML modelling for 2 years of bike rentals with 17,000 datapoints using Python Jupyter. Implemented regression models including KNN, Linear, SVM.
- Forecasted 80% accurate count of rentals as per season, working days and weather details for better anticipation of bookings using regression, ensemble models, PCA.

Web Analytics – Customer subscription on webpage in Google Analytics

August 2020

- Improved customer subscription by paid marketing campaigns for an NGO and increased website click through rate by 10%, reducing bounce rate by 12%.
- Managed Google Analytics account to provide insights on customer demographics and growth of expansion for NGO.

Big Data – India Demonetization Tweet Sentiment Analysis

December 2020

- Visualized distribution in Python Jupyter for 8000 tweet sentiments obtained from tokenized and evaluated average sentiment value, using Pig Grunt Shell.
- Utilized HDFS to load tweet data files with Cloudera VM. Implemented external table structure in Hive using Beeline.

ADDITIONAL INFORMATION

Languages: English, Hindi, Marathi*Eligibility:* H1 B Visa; Eligible to work in the US for full-time employment until sept 30, 2025.