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**SUMMARY**

* Have 8 years of experience in IT as software professional.
* Have exposure in **data mining, statistical analysis, predictive algorithms, Machine Learning using Python, SQL**.
* Developed spend and balance models using supervised machine learning algorithms.
* Good experience in working on **Linear** and **Logistic Regression, SVM, Decision Trees, XGBoost** Machine Learning algorithms.
* Proficient in writing complex **SQL queries, PL/SQL, TSQL code**.
* Good knowledge and experience of working in Control M, Job creation, Scheduling, Performance tuning and UNIX shell script.
* Coordinating with different teams to deliver the product on time.
* Have vast profile of working in development and Enhancement in the domains like health insurance, automobiles, capital markets, credit card industry.
* Good knowledge of tools Toad for Oracle, SQL Developer, SQL Loader, PL/SQL developer, Crystal reports, Bitbucket and Jira.
* Excellent problem solving capabilities.
* Have worked well in a team, took responsibility of managing and mentoring a team and facilitated a smooth transition to new resources.

**SKILLS**

|  |  |
| --- | --- |
| Operating Systems | Windows 7/8/10 |
| Languages/Technology | Machine Learning Using Python, SQL, Oracle PL/SQL, TSQL, Performance Tuning, Unix Shell Scripting, Tableau |
| Development and Build Tools | Jupyter notebook, SQL Developer, Tableau, Toad for Oracle, SQL Loader, PL/SQL Developer, Crystal reports, Informatica |
| DOMAINS | Credit card, health insurance, capital markets |

**EDUCATION and CERTIFICATIONS**

* Bachelor of Engineering, Punjabi University Patiala, India (2007 - 2011).
* Oracle SQL Expert (1ZO-047) certified by Oracle University.
* 5 months internship in Oracle with a live project from Infosys limited, Mysore.

**WORK EXPERIENCE**

| **Organization** | **Location** | **From** | **To** | **Designation (Role)** |
| --- | --- | --- | --- | --- |
| Empenofore Technologies Pvt.Ltd. | Gurgaon, India | Nov 2019 | Feb 2020 | Lead Consultant |
| Birlasoft Limited | Noida, India | Apr 2017 | Sep 2019 | Senior Software Engineer |
| Cognizant Technology Solutions | Pune, India | Feb 2016 | Feb 2017 | Associate |
| CDK Global | Pune, India | Jan 2015 | Feb 2016 | Senior Member Technical |
| Infosys Limited | Pune, India | Aug 2011 | Dec 2014 | Senior Systems Engineer |

**PROJECTS**

**1. Scoring Model – Credit Card Company**

Responsible for developing Spend and Balance models using Machine Learning to calculate incremental card member value(iCMV) in order to infer what their future actions will be. iCMV is the future cash flow of the customer. Revenue components of iCMV are predicted using XGBoost ML algorithm and expenses are provided by finance. The Objective is to increase the profitability and offer arbitration, to communicate the right customer with right offer and right channel. With the help of iCMV value finance decides the campaign and budgets to target the customers for offers. Customers with higher iCMV gets higher and better offers.

**Roles and Responsibilities**

* Understanding requirements from the client and develop the processes
* Feature engineering
* Prepare data for algorithms
* Used XGboost Machine Learning algorithm to predict the customer behavior
* Evaluation of the model performance
* Generate reports and share with the markets

**2. Churn Prediction – Prominent Tyre Manufacturing Firm**

Implemented Survival model for churn prediction based upon the last billed date. Recognized high churn risk factors based upon dealer’s behavior characteristics and found the features which are most impactful to churn. Identified at-risk clients so that the sales team can develop targeted retention practices.

**Roles and Responsibilities**

* Understanding requirements from the client and develop the processes
* Feature engineering
* Prepare data for algorithms
* Built Survival Model for churn prediction
* Evaluation of the model

**3. Biogen ARCADE:**

It was a client implementation of Smart Trials product for Biogen. The main objective was to deliver all Biogen’s product research related data to client by moving through different layers and finally replicating at client environment. The data was combined domain wise across different studies following CDISC standards before replication.

**Roles and Responsibilities**

* Understanding requirements from BA and get it signed off considering different changes and added requirements.
* Preparing the POCs.
* Design and developing PL/SQL code to meet the requirements.
* Preparing unit test cases and executing
* Preparing the installation qualification to deploy the code.
* Knowledge transition and mentoring teammates

**4. Digital Motorworks (Client Implementation):**

DMI provides the automotive industry with dealership management system (DMS) data and data management solutions for a variety of business initiatives, including parts locators, service marketing programs, service history reports, sales programs, vehicle valuations, consumer-facing website content, and inventory management.

**Roles and Responsibilities**

* Designing and tuning complex SQL queries for BI reporting.
* Working on PL/SQL code to attend to new requirements and to resolve any bugs/issues.
* Mentoring teammates in SQL, PL/SQL.
* Performing code review and maintaining coding standards
* Managing versions of code

**5. Health Insurance (Enterprise Provider Database & Docfind):**

The project involves development, enhancement and support of a new application (Docfind) where user can search for providers in any area using zip code. EPDB (Enterprise provider database) is central repository of provider data and the same was used to pass the data to Docfind. I was involved in creating the procedures for sending the data to fill the drop downs on the front end. Drop downs are dynamically filled according to the value selected in the first drop down.

Later on worked on new requirements under which i created many packages, procedures and functions, jobs, worked on issues client facing hence supported and enhanced the same application.

**Roles and Responsibilities**

* Working through all the SDLC steps Requirement gathering, Designing, Development, Testing and Deployment.
* Interacting directly with client to get the requirement.
* Preparing Design documents.
* Post Implementation Support and working on any enhancement requests.