# Parth Sarangi | Business Intelligence

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## Summary

I have over 3+ years as Data analyst, and 1+ year as Business Intelligence and GCP Analyst. Working with Ascend Corp in Thailand as BI and Data executive. I am very comfortable with SQL, Python, R, Tableau and Google Data Studio.  I have worked on Dashboards, build data marts and implemented data pipelines for data ingestion.

## Skills

| Programming Languages | Data analytics | Infrastructure |
|---|---|---|
| SQL R, R Shiny, Python, JavaScript, Excel macros VBA, XML | Rapid Miner, Knime, Weka, R Studio, Jupyter | Docker, AWS, Google Cloud Platform, Openshift |
| **BI / Data Warehousing** | **Data mining** | **Databases** |
| Tableau, PowerBI, Excel VBA, BigQuery, OLAP | Decision Trees, Random Forests, SVM, Neural networks, Regression, Classification. | Google Bigquery, PostgreSql, MySQL, MS SQL Server, MS Access, Oracle, MongoDB |

# Thesis and Projects

## Research

1. Working on Rice prediction algorithms. I have designed neural network, SVM,, Random forest and Linear Regression algorithm with Rice production data of Thailand. The factors are based on Rainfall, weather, soil, fertilizer prices etc.
2. Web scraping stock prices designed in R : http://rpubs.com/parthsarangi/516079
3. Time series analysis
4. Neural network analysis

## Master's Thesis

"Intelligent churn prediction and retention system – A case of telecommunications company"
The purpose of this thesis is to develop dashboard for CRM personnel to view KPI of customer call detail records, Dashboard development with visualizations of plots, maps and Olap for data analysis. A prediction functionality to predict status of customers. Decision tree prediction algorithm developed in R and web site developed in Shiny.

## Bachelor's Project

"Design of MCP for Sinumerik 840D CNC"
The purpose of this project is to design a software implementation of the MCP (machine control panel) of the Sinumerik 840D CNC machine. The software MCP was designed in VB 6. It was a fail safe option in case the physical hardware malfunctioned. The software mcp communicated with the device over serial port with real time updates.

# Experience

| Company : Ascend Corporation - Bangkok | Duration : Jul 2018 - Till Date | Role: Business Intelligence Analyst |
|---|---|---|
| <td colspan="3"><ul><li>Designing reports and dashboards for reporting to senior management.</li><li>Managing regional BI in countries Cambodia and Philippines for consolidation of data and reports.</li><li>Managing strategy and finance teams with data and adhoc data reports for analysis.</li><li>Reporting on TPV and CUstomer acquisition of Regional countries.</li><li>Designing data pipeline and data mart for dashboarding</li><li>Working in Data Platform, building the Big Data Lake on the Google Cloud Platform (GCP).</li><li>Setting up and maintaining data pipelines from various types of DB's such as MySql, Postgres, MsSql Server. The DB's are maintained at regional offices of Truemoney across Vietnam, Myanmmar, Cambodia and Vietnam</li><li>Designing and implementing ETL tools on Docker containers and Compute engines.</li><li>Practising Data governance to meet the security guidelines for safeguarding customer PII data. Analyzing the Data dictionary to identify PII data.</li><li>Also working with Regional Teams from Vietnam, Myanmar, Philippines and Cambodia to locate and ingest various types of Transactional and Financial data.</li><li>Tech stack : Python, docker, Openshift, SQL, GCP, Javascript, Jenkins, Groovy, Shell</li></ul></td> | | |
| Company : Tata Consultancy Services Gurgaon India | Duration : Nov 2008 - Dec 2015 | Role : IT Analyst |
| Client : RBS Scotland UK | July 2012 – December 2015 | |
| <td colspan="3"><ol><li>Data analysis and data mining.</li><li>Mapping testing requirements from Business teams to meta-data. Functional to technical translation of queries. Creating data reports after locating the data sources and writing SQL's to retrieve the data.</li><li>Analysis of data-warehouse. Extract, transform and loading of datasets. Design of data-mart at testing side to capture appropriate data.</li><li>Tech stack : DB2, SQL, Mainframe, Oracle , Unix</li></ol></td> | | |
| Client : Nationwide Building Society - ICL UK | June 2011 – June 2012 | |
| <td colspan="3">Enhancement of Cobol program as per approved functional requirement. Handling of specific user requirements for incorporating the changes as required. Changes were made LIVE using a change management tool. Providing the support of the system using the Computacenter's Service Desk.</td> | | |

| Managing the Team load by cooperating with on-site counterparts. Recruitment and evaluation of new resources. Training and work alignment of the team. | | |
|---|---|---|
| Client : Tata Steel UK / Corus UK | May 2010 – October 2010 | |
| Code development, maintenance, refactoring, and version control. Development and support of Manufacturing process batch. | | |
| Client : Hallmark Cards USA | Feb 2009 – April 2010 | |
| Development of COBOL, JCL and SQL code for SAP Migration. Unit testing, and documentation of results. | | |

# Other Relevant Info

## Degrees

| Bachelor degree | NIT Srinagar India May 2008 - 72.9 % |
|---|---|
| Master degree | AIT Thailand May 2018 - 3.5 GPA |

## English Scores

| IELTS | 7.5 (2015) |
|---|---|
| TOEIC | 980 (2017) |
| Nationality | Indian |
| Date of birth | May 1987 |
| Religion | Hindu |
| Gender | Male |