

# Yamini Sorgavasan

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## EDUCATION

**Santa Clara University, Leavey School of Business**

Santa Clara, CA

**Master of Science in Information Systems**

June 2020

Data Science with Python, BI and Data Modelling, Big Data Modelling, Dashboards and Visualization, Cloud Computing with AWS

**Anna University**

Chennai, India

**Bachelor of Engineering in Computer Science**

May 2013

## TECHNICAL SKILLS

- **Software:** MS Excel, Cognos, Tableau, Kibana, Grafana, PowerBI Informatica, Pentaho ETL, Amazon Redshift, Oracle SQL, Elasticsearch, InfluxDB, RDS, Jupyter, Postman, Apache Spark, Map Reduce, EC2, Graylog, Selenium
- **Test Management Tool:** HPQC, Jira, Rally
- **SDLC Methodology:** Waterfall and Agile methodology
- **Programming Languages:** Java, SQL, Python-Pandas, Scikit, PySpark

## EXPERIENCE

**SCU Furgal Innovation Hub**

Santa Clara, CA

**Research Assistant (Data Analyst)**

July 2020

Research assistant under the supervision of Professor. Navid Shaghghi working as part of Analytics Team for Law school project

**Nokia**

Mountain View, CA

**Business Analyst Intern**

Spring 2020

- Building Dashboard visualization for the operational team for Nuage SDWAN solution called VNS for health monitoring
- Performed analysis on Time series data to derive metrics and KPI for Nuage Products
- Developing dashboard design recommendation for the Product Team for decision making process
- Navigate data from log files by creating API extractors using python regex in Graylog to Elasticsearch for quality Visualizations

**AON Hewitt**

Chennai, India

**Business Analyst**

2016- 2017

- Validation of new requirements for benefits page of Amgen, Amex, PayPal, and Pepsi against existing system, documentation performed simultaneously on application management tool
- Building Tableau dashboard for internal project resourcing and allocation, and KPI metrics
- Preparing presentation for weekly progress meetings. Working closely with clients, stakeholders, managerial staff and performing requirement analysis (Agile)
- Data extraction from U Point(AON product), and Workday. The data is used to verify Amgen, AMEX, Premier and Pepsi SSO
- Executed workflows in DataStage to refresh production data to testing environment, also performed testing of the application

**SQS India BFSI Private Ltd**

Chennai, India

**ETL and BI Engineer (QA)**

2013-2016

**Tesco Insurance:**

- Experienced in automation/database validation for Tesco General Insurance applications
- Excelled in ETL process including Data Completeness, Data Transformation & Data Quality for various data feeds coming from source. Experience in Test planning, Traceability Matrix, Defect analyzing and Sign Off document

**GE - Treasury (Capital Management-Finance):**

- Skilled in writing (2000+) SQL Queries and testcases from LLD and DMS with good understanding of Datawarehouse architecture
- Validated 30+ Cognos, TM1, EP and TIBCO reporting solutions with DB(EDW) source table based on various join conditions, filters, and calculations. Validated BI reports with Excel that contains EDW data, manipulated to reflect the report requirements
- Built ETL flow in Informatica and dimensional model for BI report maintaining FRF reporting standards.
- Running Informatica loads based on scope of project and collaborating with different teams to check if there is any dependent workflow. Building ETL pipelines with python for specialized requirements
- Experience in writing Automation Scripts to perform WSS Application (WSS) functional testing using Selenium

## ACADEMIC PROJECTS

- Retail e-commerce Business – Database Prototype, Technology- Microsoft SQL Server and MS Visio- Built conceptual data model using the Microsoft Visio, Logical model in excel, Data Dictionary, and Physical model using MySQL
- Data Analysis on Traffic Stop Signal Violation in the US Border states, Technology -Pandas, Jupyter, ML, Seaborn, Tableau  
Data Clean up, Analyze the pattern using ML and retrieve insights using Pandas Framework, Seaborn and Tableau for Data Visualization
- Business Intelligence project on Rental based peer to peer model analysis, Technology – MySQL, AWS S3, Tableau, AWS Redshift  
Built Dimensional Model OLTP, ODS and EDW Schema using S3, JSON and Excel has three sources of Input to render insights for Analysis
- Big Data Analysis - White house visitor, Technology Map Reduce, PySpark and Spark Dataframe – Analysis on visitor behavior
- Data Analysis on Twitter feeds and performed Sentiment analysis using Pandas framework in Jupyter notebook and Spyder IDE
- Web Page publishing using the AWS EC2 instance, Amazon RDS using MySQL and Flask libraries

## ADDITIONAL INFORMATION

**Awards:** Earned **AON Star** Award - Plaudit Award for performance in 2017 **Certificates:** **Tableau** Certified Desktop Specialist 2019; International Software Testing Qualifications Board (**ISTQB**) Certification, German **A1** Certification, Google **Analytics** Certification