

Sowmiya Dayalan

Data Analyst

Data enthusiast with 5+ years of experience. Responsible for analyzing data to drive growth and provide insights needed to guide decisions.

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WORK EXPERIENCE

Data Engineer

Burning Glass Technologies

07/2017 – Present

Boston, USA

- Extracted fortune 500 company data from Apache Spark on HDFS using Scala to analyse emerging market trend
- Modeled and analyzed resume data on career growth by education using python and PostgreSQL
- Performed data modelling, data extraction and refresh of multiple SQL Server databases using Python
- Designed and developed dashboards providing custom, in-depth Job Market data analysis using Snowflake and PowerBI
- Analyzed raw job data for popular skills by Occupation using pandas, numpy and developed Tableau dashboards

Data Scientist co-op

American Student Assistance

05/2016 – 12/2016

Boston, USA

- Extracted and analyzed KPIs on content usage and developed Tableau dashboard to identify customer usage pattern from SQL Server
- Performed Member segmentation of customers based on their website usage using Tableau
- Analyzed and Developed client reports for Cohort Default Rate using SSRS with Drill-down and Sub-Report
- Identified trends, relationships and metrics using python from SQL Server database

Software Developer

TATA Consultancy Services

08/2012 – 06/2015

Chennai, India

- Analyzed product demand to build reports for a phone manufacturing client's web application
- Implemented error handling techniques, developed ESR & ID, Component/Adapter/Message/Channel monitoring for the Integration legacy solution with SAP

PUBLICATION:

“Alzheimer’s Management: A technical solution for Neurologists, Patients and Caregivers”, Vol 15, Issue 1, January 2016, pp 151-159

American Scientific Research Journal for Engineering, Technology and Sciences

SKILLS

Data Analysis

Business Intelligence

Data Modeling

ETL

SQL

Python

Big Data

Scala

Project Management

Pig

ERP

TOOLS

Scripting

- Pycharm, Ipython Notebook

Database

- SQL Server, MySQL, Snowflake, PostgreSQL, Oracle 11g
- Hadoop, Apache Spark

ETL

- Talend, SSIS

Business Intelligence

- Tableau, PowerBI, SSRS, QlikView

Project Management

- GitHub, JIRA, Confluence

ERP Package

- SAP R/3 ECC 6.0 - SAP PI/XI

EDUCATION

Master of Science in Information Systems

Northeastern University

09/2015 – 05/2017

Boston, USA

Bachelor of Engineering, Electrical & Electronics Engineering

Anna University

05/2008 – 05/2012

Chennai, India