

# Brunda Suresh

(916)-944-9047 | [E-Mail](#) | Sacramento, CA | [LinkedIn](#) | [GitHub](#) | [Website](#)

## EDUCATION:

### Master of Science, Computer Science

California State University, Sacramento, CA

Dec 2021

GPA:3.36/4.0

## TECHNICAL SKILLS:

**Programming Languages:** Python, R, Java, C, SQL, SML, PL/SQL

**Web Technologies:** HTML5, CSS, Xampp, JavaScript, PHP, Flask Framework, phpMyAdmin,

**Database:** MySQL, ClustrixDB, NuoDB, VoltDB, Oracle, BigQuery, RDBMS, SQL Workbench

**Data:** Spreadsheets, Pivot tables, MySQL, Tableau, R Markdown, RStudio, Spark, Kafka

**Other Tools:** Visual Studio, Google Cloud, AWS, Azure, Postman, HDFS, YARN

## CERTIFICATIONS:

- Introduction to Big Data + Apache Hadoop Essentials, Hewlett Packard Enterprise **Aug 2021**
- Google Data Analytics Specialization, Google with Coursera **July 2021**  
The specialization included 8 Courses: Foundations: Data, Data, Everywhere; Ask Questions to Make Data-Driven Decisions; Prepare Data for Exploration; Process Data from Dirty to Clean; Analyze Data to Answer Questions; Share Data Through the Art of Visualization; Data Analysis with R Programming; Google Data Analytics Capstone: Complete a Case Study.
- Exploring and Preparing your data with Big Query (GCP Specialization), Google Cloud with Coursera **Jun 2021**
- Cloud Computing 101, Coursera **Aug 2020**

## PROFESSIONAL EXPERIENCE:

### Student Assistant, Caltrans, San Diego

July 2021-Present

- Debugged PHP script to extract xml data into csv format to analyze every-minute-traffic data
- Developed Python-Pandas code to automate ETL process to extract data from gzip files and load them into MSSQL Server reducing 90% of prior used data space within the server.
- Designed, Created and inserted data tables into MSSQL Server after analyzing Schema requirements with team
- Assist in organizing, collecting and gathering required traffic data that meet departmental guidelines.
- Assist in developing graphs and charts using Excel, Access, Crystal Reports and any other charting software.
- Assists in research, analysis, review, and other related activities in the department

### Teaching Assistant, California State University, Sacramento

Sep 2021 - Present

- Supervised 3 Undergraduate Accounting Sections with Data Analysis and Basics of Data Engineering in lab
- Supervised 1 Graduate Accounting Section with Big data ETL process and Data Analytics prior to Modelling
- Graded Assignments, monitored discussion groups, assisted in Lab Work and Exams

## ACADEMIC PROJECTS:

### Covid-19 and Vaccination Tracker using Self Designed Web Scraper

Feb 2021-Present

- Deployed Apache Kafka on GCP to fetch data from various Open Source APIs
- Prepare, Clean, Process and Analyze the collected data on Apache Spark
- Design a dashboard to Visualize the insights obtained during data analysis.

### Task Manager and Key Logger (GitHub Artic key Vault Contributor 2020)

Sep 2019- Dec 2019

- Designed and Implemented a management solution that can locally monitor and control a Linux System
- Designed Python GUI module that monitors and navigates through real-time Disk, Network, CPU Statistics data
- Programmed and Deployed into the kernel a key logger that logs the key strokes and displays on the terminal

### Database Management Project

Sep 2017-Dec 2017

- Designed an Online art gallery Web application efficiently for Amateur Artists to sell their art works.
- Programmed web pages in JavaScript, Java, Servlets and JSP to design the front-end on glassfish server.
- Implemented MySQL Procedures, Triggers and other Queries with Oracle Database at the backend