Brunda Suresh

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EDUCATION:

Master of Science, Computer Science **Dec 2021**
California State University, Sacramento, CA 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 Analytics: Spreadsheets, Pivot tables, MySQL, Tableau, R Markdown, RStudio
Other Tools: Visual Studio, Google Cloud, AWS, Azure, Postman

CERTIFICATIONS:

- 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 an ETL pipeline using Python-Pandas 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

Web Developer Intern, Abhyudaya NGO, India **Aug 2018-Oct 2018**
- Worked in a team on developing a Web application that sells handmade goods made by underprivileged women
- Built and deployed user Interface using PHP and JavaScript at the front end; integrated with SQL at the backend
- Web app reduced paperwork for NGO, and generated 22% more revenue.

ACADEMIC PROJECTS:

Covid-19 and Vaccination Tracker using Self Designed Web Scraper **Feb 2021-Present**
- Develop a python script to tokenize and parse dynamic HTML web pages to collect covid-19 data
- Prepare, Clean, Process and Analyze the collected data using R packages
- Design a Web UI/dynamic 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 a 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