Long Beach, CA
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KEERTHANA S NAIDU

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EXPERIENCE

Systems Engineer   **Honeywell , Inc**   **Jul 2021 – Jan 2023**

- Developed Financial reporting cubes using Hyperion suite to the transfer of millions of data records from several merger and acquisition platforms to Honeywell's standard database cubes
- Transformed enterprise level data utilizing **Calc, MaxL** and **MDX** scripts for Hyperion **ASO** and **BSO** cubes to provide Financial Consolidation and Close for business.
- Implemented business rules, boosted the concurrency rate on entities by **15%** using multi-threading.
- Created complex end to end automation process for metadata updates and ran batch scripts using ESSCMD /MaxL scripts and reduced failure rates on automation to less than **5%.**
- Automated rules for extra layer of security on database cubes to create a highly secure environment using **Jython**
- Performed extensive testing on **ETL**, **BI**, **Client/Server** and Web applications.

Data Engineer   **Honeywell , Inc**   **Jun 2018 – Jul 2021**

- Designed and implemented internal process improvements, automated manual processes, and revamped the infrastructure for the data delivery process to provide higher scalability.
- Wrote intricate **SQL** queries with many joins to automate/manipulate millions of records of data extracts in **Alteryx**, saving **1000+** hours of work.
- Designed and developed dashboards using R-Shiny, automated them using agile point and presented them to senior executives.
- Employed RPA, Excel, and VBA macro scripts to automate financial reports that operate on a monthly, weekly, and daily schedule. This effort led to a substantial **75%** boost in analyst productivity.

EDUCATION

Long Beach, CA   **California State University - LB**   **Jan 2023 – Present**

- M.S. in Computer Science.
- Coursework: Analysis of Algorithms, Advanced Programming Concepts, Software Engineering

Bangalore, India   **PES Institute of Technology**   **Aug 2014 – Jun 2018**

- B.E. in Computer Science.
- Coursework: Data Structures and Algorithms, Graph Theory and Combinatorics, Compiler Design, Operating Systems, Computer Networks, Object Oriented Programming, Software Architecture, Artificial Intelligence

SKILLS

Languages and Frameworks: Python, JavaScript, C++, Golang, ReactJS, Django, NodeJS, Pandas, HTML, CSS, Jython
Databases: MySQL, MongoDB, PostgreSQL, Hyperion Suite
Tools: AWS, Azure, Git, Redis, Docker, Kubernetes, Postman, Swagger, Kibana
Data Analytics: Alteryx, Tableau, Talend, PowerBI
Visualization: Matplotlib, Plotly, D3.js
Operating Systems: Windows, Linux, Mac

PROJECTS

- **Data Loader Framework:** Built a data loader framework to provide an easy way of loading data from source to destination. Delivered the preferred input and output selections, encompassing formats such as CSV, JSON, SQL, Postgres (**Golang, SQL, PostgreSQL**)

- **Outdoor Air Quality Monitor:** Developed an application which calculated the **PM** of environment using **MQTT** protocol and visualized through map which shows the polluted area.