

VALARMATHI PUKURAJ
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OBJECTIVE:

Programmer Analyst with 4+ years of experience executing data-driven solutions to increase efficiency, accuracy, and utility of internal data processing. Experienced at creating data regression models, using predictive data modeling, and analyzing data mining algorithms to deliver insights and implement action-oriented solutions to complex business problems.

SKILLS

- Python, R, Pandas, JavaScript, C#.net,
- SQLALCHEMY, Flask, MongoDB, MSSQL, MYSQL, Postgres SQL, Numpy/Scipy
- API, Tableau, MATLAB, D3, HTML, Bootstrap and CSS
- Machine Learning Models, Big Data, Data Visualization, Statistics
- Hadoop, MapReduce, Spark

EDUCATION

Grad Certificate, Data Science 2019 University of California, Berkeley

B.E. Computer Science and Engineering 2010 Anna University, Chennai

WORK EXPERIENCE

Chevron, San Ramon, CA Feb 2013 to Oct 2014 Role: Programmer Analyst

Responsibilities:

- Responsible to design and develop Web Application
- Expertise in ETL using various tools such as SSIS, Bulk Insert.
- Experience in designing experiments, and ability to infer causal relationships
- Web Designing using HTML and CSS
- Used Java Script for client-side validations
- Build ad-hoc reporting tool within .NET, using Reporting Services tools.
- Created Reports using **TIBCO Spotfire Reporting Tool and Tableau.**
- Created Reports using SSIS, SSRS.

Project: Blue Cross Blue Shield Health Insurance Jun 2010 – July 2012 Role: Software Engineer/ BI Analyst

- **Responsibilities:**
- Created Spotfire Dashboards with interactive views, trends and drill downs along with user level security.
- Fine tuned SQL Queries for maximum efficiency and performance.
- Created Drill-down and Sub-Report using SSRS. Monitored the performance of the reports.
- Generated context filters and data source filters while handling Complex data.

ACADEMIC PROJECTS:

Project: Finance Stock Market Analysis (June 2019)

Role: Data Scientist

- Implemented front of the application using Python, CSS, JSON, JavaScript Worked on front end frameworks like CSS, Bootstrap, D3, Plotly, Leaflet for responsive web pages
- Used Restful APIs to access data.
- Developed and tested many features for dashboard using Flask, HTML, CSS and JavaScript. Experience in writing MongoDB database queries for performing various CRUD operations like create, update, read and delete.

Project: Indeed, Job Posting Data Analysis (2019)

Role: Data Analyst

- Responsible in Data cleaning up with LinkedIn Data Set and Indeed Data Set for analysis.
- Generated Analysis reports using programming language python and the standard numerical packages using API to extract data.
- Used Statistical techniques (like ANOVA, CHI-SQUARE, BOX PLOT, linear/logistic regression and ttest) for hypothetical analysis to validate data and interpretations

ETL Project – Magic the Gatherings Cards Price ETL (May -2019)

Role: Data Analyst

- Responsible for data engineering functions including Data extract, Data cleaning, transformation, loading, integration in support of enterprise data infrastructures – data warehouse, operational data stores and master data management for Complex Datasets
 - Converted API Data into Pandas Data Frame using Lists and Dictionaries in python
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