Kasturi Shirish Vartak

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EDUCATION

Binghamton University, State University of New York, Thomas J. Watson School of Engineering and Applied Science

Master of Science in Computer Science   **Expected May 2021**

Courses: Data Science Pipeline, Cloud Computing, Web Programming, Data Mining, Architecture

PVG's College of Science, Savitribai Phule Pune University

Master of Science in Computer Science   **May 2017**

TECHNICAL SKILLS

Languages: Python, JavaScript, Java, C

Web Technologies: jQuery, NodeJS, React, Express, flask, HTML5/CSS3,

Database, OS & Tools: SQL, MongoDB, JSON, PostgreSQL, Git, Linux, Docker, Kubernetes, GCP, JIRA, POSTMAN

Applications: SalesForce.com (Service Cloud), Oracle Service Cloud

Additional: Data processing: Numpy and Pandas, Data visualization: matplotlib, bokeh, folium, Stata

EXPERIENCE

Binghamton University, Economics Research Lab, Research Assistant | Binghamton   **August 2020 – Present**

- Developing an algorithm to map kldb92 to kldb2010 of Socio-Economic Panel (SOEP) data to analyze the labor market effects of Syrian refugees in Germany

Veritas Software Technologies, Associate IT Developer |Pune, India   **July 2017 - April 2019**

- Configured Service Cloud by Custom Objects, Analytics, Workspaces and Workflows, Business Rules, Custom Processes and scripts, Templates, Custom Applications (Add-ins)
- Worked as a cross functional SME single handedly in Data Power migration project
- Provided temporary workaround and permanent code fixes during Hyper-care Post Go-Live
- Analyzed and developed custom solutions such as query optimization, workflow optimization, reducing to 12 workspace rules and reduced case loading time by 30%

Veritas Software Technologies, Intern at Master Level |Pune, India   **January 2017 - June 2017**

- Implemented Veritas Support Web Site - Designed and developed (Landing Page and Case management module) using integration with Salesforce API, Enterprise WSDL, Connect Web Services
- Built Historical Case View portal for Veritas agents by Integration with Veritas Data HUB with JDBC to get related incident information

PROJECTS

Book Shop System | *Node.js, JavaScript, JQuery, Express, React, MongoDB, REST& HATEOAS*

- A full-stack web-based application for maintaining a book cart with collection of books a shopping cart
- Provides book search and list of all books with dynamic pagination

Philadelphia Crime Data Analysis and Visualization | *Python, folium, pandas, Jupyter notebook*

- Performed data manipulation tasks such as data cleaning with pandas, Numpy
- Interactive map of crimes in Philadelphia with crime category and address

Live Video Streaming and Chat Web Application | *Node.js, GCP, Docker, Kubernetes, YAML*

- Built containerized web application using Docker
- Implemented Horizontal Pod Autoscaler scale number of replicas based on CPU utilization on GKE

Microprocessor Pipeline Simulator | *C*

- A simulator of modern multi-datapath, out-of-order execution pipeline which takes a sequence of assembly instructions and shows cycle-by-cycle execution. Supports multiple FUs, ROB, branching and memory instructions

AWARDS

- Certificate of Achievement for Outstanding Contribution in Project Aurora
- Veritas WOW Level 2 Award (Excel as a Team through collaboration and inclusion) for Data Power Migration project
- Veritas WOW Level 3 Award (Inspire trust with integrity and accountability) for RightNow CX Performance project

VOLUNTEER EXPERIENCE

Binghamton University – Global Health Impact | Web Developer | *Python, Flask, React*   **June 2020 – September 2020**

- Built a forecasting tool to measure pharmaceutical product's impact to advance access for different medicines
- Developed software applications to automate data collection/analysis process for Global Health Impact Index

Shreevatsa-Sofosh orphanage - taught computer basics to employees and helped in clerical duties   **July 2018 - October 2018**