Kasturi Shirish Vartak

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EDUCATION

State University of New York, Binghamton
Master of Science in Computer Science   **Expected May 2021**
Courses: Data Science Pipeline, Cloud Computing, Web Programming, Algorithms, Data Mining, Architecture

PVG's College of Science, Savitribai Phule Pune University
MSc in Computer Science   **May 2017**
BSc in Computer Science   **May 2015**

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

PROFESSIONAL EXPERIENCE

Veritas Software Technologies, Associate IT Developer | Pune, India   **July 2017 - April 2019**
- Worked as a cross functional SME (Subject Matter Expert) to communicate issues with third-party and as a developer to established integration with middleware software 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**
- 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 to get related incident information

PROJECT EXPERIENCE, Binghamton University

Economics Research Lab, Research Assistant | *Stata*   **August 2020 - Present**
- Develop an algorithm to map kldb92 to kldb2010 of Socio-Economic Panel (SOEP) data to analyze the labor market effects of Syrian refugees in Germany

Book Shop System | *Node.js, JavaScript, JQuery, Express, React, MongoDB, REST & HATEOAS*   **June 2020 - August 2020**
- Implemented a full-stack web-based application for maintaining a book cart with collection of books a shopping cart
- Utilized dynamic pagination to provide book search and list of all books

Philadelphia Crime Data Analysis and Visualization | *Python, folium, pandas, Jupyter notebook*   **June 2020**
- Performed data manipulation tasks such as data cleaning with pandas, Numpy
- Created interactive visualization map of crimes in Philadelphia with crime category, address

Live Video Streaming and Chat Web Application | *Node.js, GCP, Docker, Kubernetes, YAML*   **February 2020 - April 2020**
- Built containerized web application to engage multiple users at once and to improve audience interaction
- Implemented Horizontal Pod Autoscaler scale number of replicas based on CPU utilization on GKE

Microprocessor Pipeline Simulator | *C*   **August 2020 - December 2020**
- An Out-of-order APEX pipeline simulator to demonstrate cycle-by-cycle execution of sequence of assembly instructions
- Implemented multiple FUs, ROB to support Load-Store, Branching instructions and data forwarding

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   **July 2018 - October 2018**
- Instructed employees in computer basics and assisted with clerical duties to maintain organization and upgrade current system