Medha Kalkur

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EDUCATION

08/2022 – present Salt Lake City, Utah, USA	**MSCS Graduate Student,** *University of Utah*
08/2016 – 09/2020 Mysore, India	**Bachelor of Engineering in Computer Science,** *JSS Science and Technology University* CGPA: 9.70

PROFESSIONAL EXPERIENCE

02/2022 – 06/2022
Bangalore, India

Software Engineer II, *MicroFocus*
- **Azure Webhook alert integration to OBM for Common and Non-Common Schema**
  Worked on receiving all the common and non-common Azure webhook alerts and forwarding them as alert events to the OBM UI. This involves opening a listener to Azure subscription, classification of alert types, and forwarding them using REST calls.

08/2020 – 01/2022
Bangalore, India

Software Engineer I, *MicroFocus*
- **Azure Storage account monitoring and Azure VM Discovery Enhancement**
  Worked on aligning Azure Storage account monitoring with the enhanced monitoring framework. This involved migrating existing code to generic REST based data collection framework.
  Fixed Azure VM primary DNS discovery conflict issue.

- **Optic data lake integration for Management packs**
  Worked on Custom Metric Ingestion tool. This tool converts agent DB tables in Vertica readable JSON files.
  Created VSQL queries for post load data processing. The queries would aggregate (Hourly, Daily) the raw data.

01/2020 – 07/2020
Bangalore, India

Software Development Intern, *MicroFocus*
- **Optic DL integration for Prometheus Connector**
  Involved in the PoC development of Optic DL integration solution. Responsible for schema creation, BVD dashboard creation.

- **Python Automation using Selenium library**
  Created python scripts for Continuous hours of Operation testing. The script simulates application load on WebLogic Application Server by continuous login, messaging, user profile switch, logout operations.

PROJECTS

College projects

- **Indian Sign Language Interpreter**
  Final Year Project - An interpreter for conversion of Indian sign language to English alphabets using Image processing models and Convolution neural network with **85% accuracy.**
- **DBMS project on Waste management System**
  A website for purchase and sale of waste products with door-to-door service with HTML,CSS and PhP.
- **Hackathon registration Website**
  hackelite2k19.org built for national level hackathon conducted as a part of college student club LCC.
- **Finger-Print recognition system using OpenCV and Python**
  Digital Image Processing of human fingerprint images for authentication purpose.

  Technology: - Python, SQL, OpenCV, TensorFlow, HTML, CSS, PhP

SKILLS

Programming Language	**Database**
C++, C#, Python	*SQL, Vertica*

Environments	**Cloud Experience**
Visual Studio, Jupyter Notebook, Git, Linux	*MS Azure*