

# Sivarama Krishna Sirangu

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## EDUCATION

Old Dominion University, Norfolk, VA

**Master of Computer Science**

**Dec 2023**

**Concentration:** Information Systems

**GPA:3.85**

Sathyabama Institute of Science and Technology, Chennai, India

**Bachelor of Computer Science and Engineering**

**May 2020**

**GPA:3.4**

**Relevant Courses:** RDBMS, Data Structures & Algorithms, Problem solving techniques, Software Engineering, Probability and Statistics, Data mining, Machine learning, and Data warehousing.

## SKILLS

Programming in C/C++, Python, HTML, CSS, PHP, Bootstrap, JavaScript, Microsoft Excel, SQL, PLSQL, Oracle, MYSQL.

## WORK EXPERIENCE

**Intern Software engineer, Tech mahindra**

- Built a Customer Partnership portal using PHP, JavaScript Framework that uses an MVC design pattern.
- Expertise in creating web-based dashboards using Bokeh, Matplotlib library in python and Chartit in Django.
- Expertise in writing python code to automate read data from diverse sources and write to premise databases.
- Strong experience using SQL, PL/SQL Procedures/Functions, Triggers, cursors, and Packages.
- Created and scheduled an automated process to transfer dynamic files from one server to another using SFTP.
- Utilize tools to evaluate and improve performance using tuning database objects, and SQL statements.
- Generated queries using SQL to check for consistency of the data in the tables and to update the tables.

## **Student Tutor and assistant at Sathyabama institute of science and technology**

- Tutor students part-time in Math subjects which include: probability theory linear algebra dynamical systems and Analysis.
- During Final Year, I assisted the Professor to develop instructional material for freshmen.

## **ACADEMIC PROJECTS**

### **Cooperative Task Offloading**

It is an Application designed to obtain optimal solution of finishing a task by the server and develops a efficient offloading scheme

### **Chat App Master .**

This application is designed on python as a domain which helps establish a connection between the client and server without connection to any network.

## **LEADERSHIP**

- Lead organizer of an event of 'Techno-Summit' held at Sathyabama University.
- Conducted orientation for juniors and mentored them during their mini projects with the help of my team.
- Served as Batch Representative for the intern trainees during the Tenure at Tech Mahindra.
- Creative Lead in Rotary club at SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY.
- Served as Batch Representative for the intern trainees during the Tenure at Tech Mahindra.