Sabari Girish Mahendran

 +1 585 755 9652 •   sm8531@.rit.edu •   sabarigirish.github.io/

Work Experience

Hewlett Packard   **India**
Software Engineer   *August 2013 - July 2015*

- Worked for Business Intelligence team under Analytics and Data Management business unit.
- Created Web Intelligence reports for Vodafone using PL/SQL procedures and SAP Business Objects as a part of Business Intelligence team.
- Reduced the query execution time from 60s to 30s by aggregation of data into four levels.
- Responsibilities included developing Business Intelligence Reports from initial requirement to design, implementation, testing and documentation under SDLC model.
- Wrote an automation using shell script to alert the team when the procedure fails to load the database.

Education

Rochester Institute of Technology   **Expected - May 2017**
Master of Science in Computer Science,   *GPA - 3.72/4*

Madras Institute of Technology, Anna University   **August 2009 - June 2013**
Bachelor of Technology,   *GPA 7.5/10*

Projects

- **Developed middleware solution for heterogeneity in wearable devices:**

  Designed and developed a software layer that masks the heterogeneity issue in wearable devices. In addition to that provided API standards for each wearable devices that is used to develop applications integrating wearable devices.

- **Medical Imaging using Hybrid segmentation scheme:**

  Reduced error rate in CA-diagnosis of Lung disorders using a hybrid segmentation scheme using Active Shape Regression model, Region of interest extraction and classification using Support Vector Machine. Achieved 13% reduction in error rate when compared to k-nearest neighbor classification.

- **Blood Donor Database:**

  Helps in informed decision making to choose the nearest blood donor available for emergency patients using Java and MYSQL and was extended to find the nearest hospital and doctors during emergency using a distributed database in Vehicular adhoc network.

- **Invigilation scheduler:**

  Designed an application to schedule the priority based invigilation time slots for semester finals using Java and MYSQL.
- **Dropbox clone:**

  Developed a clone of Dropbox application as part of Cloud Computing project using C#,Python and MYSQL.

Technical skills

- **Programming Languages:** Python, Java, C, C++, Shell scripting,
- **Database:** Oracle 10g, MYSQL
- **Industry Software Skills:** SAP Business Objects, Informatica
- **Operating System:** Ubuntu, CentOs, Windows

Courses

- Programming and Data Structures
- Foundation of Computer Science theory
- Foundations of Algorithms
- Advanced Object Oriented Programming and Design
- Computational Problem Solving
- Distributed Systems
- Introduction to Big Data
- Foundations of Cryptography

Awards and Honors:

- Deputy Chairman of Department of Information Technology at Madras Institute of Technology, Anna university during academic year 2012 - 2013.
- Merit scholarship from Department of Computer Science at Rochester Institute of Technology.