

Vaikunth Sridharan

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GitHub LinkedIn Twitter Google+

EDUCATION

WRIGHT STATE UNIVERSITY

MS IN COMPUTER SCIENCE

Expected Dec 2016 | Dayton, OH, USA

Cum. GPA: 3.33/4.0

ANNA UNIVERSITY

BTECH IN INFORMATION

TECHNOLOGY

May 2014 | Chennai, TN, India

Cum. GPA: 3.15/4.0

INTERESTS

Visualization for Data analytics (IOT),
Web Application Development,
Android Application Development

COURSEWORK

Distributed Computing
Algorithm Design and Analysis
Advanced Programming Languages
Web Information Systems
Semantic Web 3.0
Data mining and Data Warehousing
Data Structures and Algorithms
Database management systems

SKILLS

PROGRAMMING:

Java (Incl. Android) • Java Script •
C++

CLIENT SIDE:

HTML • CSS • jQuery (incl. UI)
Frameworks - Bootstrap, Materialize
and Foundation.

Libraries - jQuery, Underscore,
HighCharts, Socket.io

SERVER SIDE:

Node JS • J2EE
Frameworks - Meteor, Express, Sails

DATABASES:

MySQL DB • Mongo DB

TOOLS AND TECHNOLOGIES

Apache Hadoop • MySQL

PACKAGE MANAGERS

NPM • Atmosphere • Bower

VERSION CONTROL SYSTEMS

Git • Subversion

OPERATING SYSTEMS

Linux • Windows

RESEARCH EXPERIENCE

PROJECT ASTHMA | RESEARCH ASSISTANT

Kno.e.sis | Jan 2015 – Present

- This sensor/mobile application is geared toward asthma management for children. k-Health kit consists of various sensors and Tablet Android Application for patient risk assessment.
- I have contributed to the connectivity between Nitric Oxide sensor and Application, introduced data summarizing feature, and developed a incentive reward system. I use Java 1.7 and Android SDK 17.
- **Publication** : P. Anantharam, T. Banerjee, A. Sheth, K. Thirunarayan, S. Marupudi & V. Sridharan "Knowledge-driven Personalized Contextual mHealth Service for Asthma Management in Children", IEEE 4th International Conference on Mobile Services, June 27 - July 2, 2015, New York, USA

CITY360 | RESEARCH ASSISTANT

Kno.e.sis | Feb 2016 – Present

- I developed a visualization tool for multimodal city events using location, and type of events from Eventful, and Open data SF311 for decision support.
- Visualized continuous traffic flow data by collecting it asynchronously from Inrix.
- **Publication** : V. Sridharan, T. Banerjee, P. Anantharam, A. Sheth, & K. Thirunarayan "City360: Visualizing Multimodal City Events for Decision Support", under review.

PROJECT DEMENTIA | RESEARCH ASSISTANT

Kno.e.sis | Jan 2015 – Present

- This mobile/sensor application aspire to study the behavioral markers for dementia patients.
- Interfaced the sensors (UP24 and Hexoskin) with the application, introduced data summarizing feature, made UI changes, and bug fixes. I use Java 1.7 and Android SDK 17.

INTERNSHIP EXPERIENCE

SERVION GLOBAL | SOFTWARE DEVELOPER INTERN

JUNE 2013 – FEB 2014 | TN, INDIA

- Developed a Flash Policy Java Service to maintain Web Socket compatibility in Internet Explorer 8 and 9 with Linux server.
- Successfully designed a soft-phone with a Chrome Extension with HTML, jQuery and CSS. Extension developed to enable insertion of the soft phone (in-line frame) into a web page.

OTHER

Jan - April 2016

Jan 2014

Oct 2014

Teaching Assistant for CS 4800/7900 Web Information Systems

Microsoft Research India's TechVista Symposium

Web Mining & Data Mining Tools Workshop