

EDUCATION

MS IN COMPUTER SCIENCE

WRIGHT STATE UNIVERSITY

Expected Dec 2017 | Dayton, OH, USA

Cum. GPA: 3.33/4.0

BTECH IN INFO. TECH

ANNA UNIVERSITY

May 2014 | Chennai, TN, India

Cum. GPA: 3.15/4.0

INTERESTS

Wireless Sensor Networks, Internet of Things (IOT), Interactive Visualizations for Data Analytics, and Decision Making
Scalable Data Processing

COURSEWORK

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

SKILLS

PROGRAMMING:

JavaScript • Java (Incl. Android with Material Design) • C++

CLIENT SIDE:

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

Libraries - jQuery, Underscore, HighCharts, Socket.io

SERVER SIDE:

Node JS • Python (Intermediate)
Frameworks - Express, Sails

DATABASES:

MySQL • Mongo

PACKAGE MANAGERS

NPM • Atmosphere • Bower

VERSION CONTROL SYSTEMS

Git • Subversion

OPERATING SYSTEMS

Linux • Windows

TOOLS AND OTHER TECHNOLOGIES

ElasticSearch • Skale Engine • PM2 • Rest APIs

RESEARCH EXPERIENCE

PROJECT/THESIS | K-HEALTH ASTHMA | RESEARCH ASSISTANT

Kno.e.sis Center | Jan 2015 – Present

- Contributed to the connectivity between Nitric Oxide sensor and android application, introduced data summarizing feature, and developed an incentive reward system. Versions Used : Java 1.7 and Android SDK 19.
Link - <http://wiki.knoesis.org/index.php/Asthma>
- Publication & Poster** : 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
- Contribution/Thesis** : Sensor Streams Correlation Platform for Predicting Asthma Severity Levels
Constructing a real-time scalable web platform that helps clinicians/researchers to identify and infer correlations and rules from streaming heterogeneous sensor data with symptoms in the context of asthma.

OTHER PROJECTS | RESEARCH ASSISTANT

Kno.e.sis Center | City 360 | Feb 2016 – June 2016

- 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 Multi-modal City Events for Decision Support" April 15th, 2015, Ohio, USA.

Kno.e.sis Center | BARIATRICS | June 2017 – December 2017

- This mobile/sensor based application is targeted to monitor patients who have gone through bariatric surgery. Successfully developed an android application based on Google's Material Design guidelines and user-friendly flow. Some of the android concepts implemented are Fragments, RecyclerViews, AsyncTask, SharedPreferences, and Persistent Cloud Storage.
Link - <http://wiki.knoesis.org/index.php/Bariatrics>
- Poster** : Venkataramanan, R., Kadariya, D., Sridharan, V., Jamini, U., Yip, H. Y., Sohail, S., Sheth, A. (n.d.). "A Multisensory Approach to Monitor Bariatric Patients' Postsurgical Behavior and Lessen Weight Recidivism." Sep-Oct, 2017, Ohio, USA.

Kno.e.sis Center | DEMENTIA | Jan 2015 – December 2015

- 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.
Link - <http://knoesis.org/index.php/Dementia>

INTERNSHIP EXPERIENCE

NORTHWELL HEALTH | DATA ARCHITECT INTERN

JUNE 2016 – DEC 2016 | NY, USA

SERVION GLOBAL LTD. | SOFTWARE DEVELOPER INTERN

JUNE 2013 – FEB 2014 | TN, INDIA

OTHER

Jan - April 2016
April 2015
Jan 2014
Oct 2014

Teaching Assistant for CS 4800/7900 Web Information Systems
Oral Presentation - City360 : Multi-modal Traffic Data Visualization
Microsoft Research India's TechVista Symposium
Web Mining & Data Mining Tools Workshop