

OBJECTIVE

To become full-time Software Engineer/Developer in a reputed firm to continue my passion for application development preferably in the area of Web Application Development or Big Data Analytics or Data Science.

EDUCATION

- Master of Science in Computer Science,**
State University of New York at Stony Brook, USA (Jan 2014 - May 2015)
- Bachelor of Technology in Information Technology,**
Amrita University, Coimbatore, Tamil Nadu, India (Aug 2007 - April 2011)

WORK EXPERIENCE

- Department of Computer Science, Stony Brook University, NY, USA** (July 2014 - Aug 2014)
Graduate Research Assistant - Web Application Developer (Teaching Assistant Preferences)
Web application for the doctorate students in the department to enter their interests and time availability. The admin can assign the teaching assistants for the course based on the applicants preferences. Responsibility: Develop intuitive user interface screens using twitter bootstrap and datatable library, Database design and object modeling.
- Computer Associates Technologies, CEWIT, Stony Brook, NY, USA** (Feb 2014 to Apr 2014)
Sr. Research Aide - User Interface Developer - (Big Data Project)
Web application to monitor the performance of various nodes in the cluster. Responsibility: Design front end screens, visualize big data accessed through API in JSON format and develop charts. Frameworks used: Twitter Bootstrap, jQuery, D3JS.
- IBM Global Business Services, Bangalore, India** (July 2011 to Dec 2013)
Application Developer (Full stack web)
Technologies used: HTML, CSS, Javascript, jQuery, AJAX, ASP, IIS, Java, PHP, IBM DB2, IBM Cognos, Lotus Script
Vidur is the customized project management web application developed and maintained within IBM for ATT client to track the projects.
Implemented: Project issues tracking, work-flow management user interface, Notifications, LDAP Authentication, Audit trail.
Responsible for: Requirement gathering through development, testing, deployment until the delivery phase of the projects.
Recognized for: Developing a mechanism to automate the data feed across the firewall using Lotus Script, Application developed to rank the managers in the account.
- Tools Developer - Release Management**
Release Management team manages the software project intake and release to the clients.
Responsibility: To Schedule, moderate PIF Meetings and collaborate with Dev leads and clients to collect the TCP0 estimate. To work with various stakeholders of the project to carry out the software project releases from IBM to ATT.
Recognized for: Developing web application to automate release management tasks and migrate excel based works to web based.

TECHNICAL SKILLS

- Languages and Internet Technologies: Java, C, HTML, CSS, Javascript, JSP, PHP, ASP, SQL, Python, C++
- Frameworks: Twitter Bootstrap, JQuery, D3JS, AngularJS
- Databases: MySQL, IBM DB2, Oracle DB, MongoDB
- Certifications: IBM's **DB2 10.1 Database Associate - Fundamentals**, Oracle's **Sun Certified Java Programmer**

ACADEMIC PROJECT WORKS

- Prediction of Oil and Gold Prices - Data Science (Fall 2014)**
As part of Data Science course project, the (team of 4) task was to implement models to predict the price of Oil and Gold one month in advance. Implemented Baseline Models, Advanced Models (Linear auto-regression and regression with economic factors) and futures contracts regression. Responsible for: Implementing model using the python libraries and evaluate model, compare and visualize error plots.
- Feature Extraction of tissue cells - Data Analytic Software Stacks (Fall 2014)**
As part of course project, the (team of 4) task was to analyze the big data of medical images of tissue cells. Geometric and Texture features were generated and analyzed. Responsible for: Extracting geometric features for slides and visualize the intersection between two nuclei in tissue slides. Developed web application to interface with Python(geometric features) and Matlab (image features)
- Physician Attribution System - Stony Brook University Hospital (Fall 2014 - Spring 2015)**
The project attributes the patient to the physicians based on their medical notes. The physicians are ranked using perceptron algorithm. Responsibility: Understand the data to derive parsing rules from the patient medical notes, rebuild the parser as per new requirement. Eclipse is the IDE used and Oracle database is used at backend.
- Anokha, Amrita University, India (Jan, Feb 2010, 2011)**
Anokha is the inter-college technical festival. As a team of 2, Developed a web application for the event. Responsible for: Database design and server side scripting. Technologies used: PHP, mySQL, JQuery for Anokha 2011. For Anokha 2010, a J2EE application using IBM RAD, IBM WebSphere and IBM DB2.

GRADUATE COURSES

Data Science, Data Analytics Software Stacks, Data Mining, Theory of Database Management Systems, Analysis of Algorithms, Performance Evaluation of Computer Systems, Operating Systems, Advanced Project

HONORS AND AWARDS

- Received IBM GBS's most coveted "**Eminence and Excellence Award**" consecutively for 2 years (2012, 2013)
- Received Best paper Award by TCS at International Conference (ICDEM-2010) along with cash prize