

SHILPA CHANDERMCHAN

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EDUCATION

University of Texas at Arlington

MASTER OF SCIENCE IN COMPUTER SCIENCE (GPA : 3.7/4.0)

Arlington, Texas

Expected May 2017

Visveswaraya Technological University

BACHELOR OF ENGINEERING (GPA : 3.71/4.0)

Bangalore, India

July 2008 - May 2012

WORK EXPERIENCE

University of Texas at Arlington

<http://www.moneyabcs.org>

WEB DEVELOPER

Dec 2015 – Present

- Designing and developing a web application using MEAN stack to connect individuals, institutions and organizations to resources, to cultivate personal financial stability.

Front end: HTML5, CSS3, Object oriented JavaScript, Angular.js

Back-End: node.js, Express.js, MongoDB

Indecomm Global Services

<http://www.redbus.in/>

SENIOR SOFTWARE ENGINEER

Jan 2015 - Jul 2015

- Developed responsive and cross-browser compliant website by following agile methodologies with SEO optimization techniques.

Front end: HTML5, CSS3, jQuery, Backbone.js, Underscore.js, Require.js, Object oriented JavaScript

TATA Elxsi

SENIOR SOFTWARE ENGINEER

Jul 2012 - Jan 2015

- Developed android and cross-browser compliant and responsive single page applications with SEO optimization techniques.

Front end: HTML5, CSS3, Object oriented JavaScript, jQuery, Angular.js

Web Applications: HappyTrips, Panasonic cooking App, Estadao, Santos, OpenRice, IrokoTV, Meragana, Elxsi Appstore

Android Applications: Canon CMST device App

COMPUTER PROFICIENCY

Languages and Scripts	: Java, Scala, Android, Object Oriented JavaScript, JQuery, HTML5, CSS3, LESS, Python.
Frameworks	: Angular.js, Backbone.js, Underscore.js, Require.js, Bootstrap.
Back-End	: MySQL, MeanStack(Mongodb, Express.js, angular.js, node.js).
Cloud Computing	: Openshift, Heroku and Amazon Web Services.
Mobile Development	: Android, Responsive HTML5 applications using Bootstrap and media queries.
Tools	: Git, SourceTree, Grunt, CVS, SVN, MATLAB, Android studio, Microsoft visual studio, Jira.
UX skills	: Canva, Photoshop.
Text Analysis and Machine Learning	: Scikit-learn, Pandas and NLTK.

ACADEMIC PROJECTS

- Web application to demonstrate restful web services:**
Loaded JSON data using restful API, loaded google map and a pie chart to depict the location and statistics of the returned JSON data.
Front end: HTML5, CSS3, Bootstrap, Angular.js **Backend:** Node.js, Express.js, mongoDB **API:** Google map and chart, d3.js
- Search Engine(Natural Language Processing):**
Tf-idf vectors was generated for the corpus and documents with highest cosine similarity were returned for a query with the help of a threshold bounding algorithm.
Language: Python **Algorithm:** Page Ranking
- MongoDB/MySQL database application:**
Developed application interface to communicate with MongoDB and MySQL to analyze the data behavior by performing queries.
Front end: HTML5, CSS3, Angular.js **Backend:** MySQL, MongoDB
- RDBMS(Application Design and Development):**
Designed relationship database models, schemas and entity-relationship diagrams (ERMs) to create technical design documents and implemented database application. Maintained DB security and tuned queries to run faster.
Front end: HTML5, CSS3, Angular.js **Backend:** MySQL, MongoDB
- String Matching: Plagiarism Detector:**
Developed a string plagiarism detector using different algorithms.

Language: Java

Algorithm: LCSS, Naïve, KMP, Boyer Moore and Rabin Karp

GRADUATE COURSEWORK

- Web data management, Design and Analysis of algorithms, Advanced computer architecture, Data mining, Database Systems, Information Security, Parallel Processing, Distributed Systems, Special Topics in intelligent Systems and Software Engineering.

ACHIEVEMENTS AND LEADERSHIP

- Awarded **scholarship** of **\$30,300** for master's at UTA.
- **Wiz kid award** at Indecomm global services.
- Won third place in **hackathon** conducted by redbus.in..
- Mentored students at a non-profit organization called **Friends of children (FoCh)**.