
Education:

- Masters in Computer Science at University of Texas at Dallas
CGPA: 3.52
Expected Graduation: May 2016
- Bachelor of Engineering in Electronics and Communication from RNSIT, Bangalore
CGPA: 8.3/10
Graduation: July 2012

Technical Skills:

- **Languages:** Java, J2EE, C, C++, Android, Embedded C, Python.
- **Web Technologies:** HTML, HTML5, CSS, CSS3, JavaScript, JSP, JQuery, PHP, XML, JSON.
- **Database:** Oracle, SQL, PL/SQL, SQLite, MongoDB.
- **Tools:** Appcelerator, MATLAB, Octave, Weka, COGNOS, Ab Initio, JIRA, Git, CloudFoundry.
- **Frameworks:** Bootstrap, Angular JS, Node.js, Backbone.js, D3.js, Vis.js, Express.js, Charts.js, HighCharts.js, Socket.io.

Work Experience:

Software Engineering Intern, Ericsson Inc., Dallas

September 2015-Present

- Used Mean Stack along with D3.js and vis.js to develop a web portal and also a dashboard for their internal application.
- Used Big Data and analytics concepts such as Hadoop, MapReduce to get data insights from router, switch data.

Mobile Engineer Intern, Copart Inc., Dallas

May 2015-September 2015

- Implemented client code for location-based services on iOS and Android devices (cross platform) using backbone.js.
- Automated the collection of data via the use of handhelds, smart phones, and other technologies using OCR API's.

Systems Engineer, Infosys Technologies Limited, Bangalore

October 2012-Aug 2014

- Worked on website development for by developing a Travel Management System for Infosys Ltd using Java, JSP and J2EE.
- Worked as a Data warehouse developer by designing DW models for SunTrust Bank for the projects RE-Collateral and GTSNET.
- Mentored a team of 5 by acting as a team anchor for the offshore team.
- Involved in constant interaction with clients and onsite team members regarding requirements specification, business requirements, preparation of user manuals, design documents.

Academic Projects:

Networking Project: Designed and developed an application using Socket Programming in Java which synchronizes files between Node.JS Server, PC and android device using TCP Protocol. The cloud was further replaced with Amazon EC2.

Web Development Project: Designed and developed a website which allows students to register for online courses and get certified. The site was developed using HTML5, CSS, Bootstrap, Angular.js, PHP, AJAX and MYSQL.

Java Development Project: Implementation of Data structures like Linked List, Splay Tree, Hash Table and algorithms like Dijkstra's Algorithm, Kruskal's Algorithm and Prim's Algorithm. [<https://github.com/darshanhs90/Java-InterviewPrep>]

Machine Learning Projects: Implemented Decision Trees, Naïve Bayes, Logistic Regression, Perceptron's, K-means clustering for image segmentation, Collaborative Filtering on Netflix Dataset using Java and Neural Networks, SVM using WEKA, EM Algorithm.

Big Data Projects: Generated business recommendation stats using Hadoop, MapReduce and Apache spark on Yelp Dataset .It involved techniques like reduce side join, map side join, distributed cache (broadcast variables).

Achievements and Certifications:

- Recipient of the Government of India, MHRD Scholarship for the whole tenure of Undergraduate studies.
- Winner of the USAA hackathon, i5 Hackathon, Angel Hack, Twitter Hackathon ,Apache Geode Hackathon and Hack DFW.
- Completed Infosys Java Programmer Certification, Ab-Initio certification and Harvard Manage Mentor.

Freelancing Projects:

Android Application Projects – BitCamp (Spring 2015), Hack Rice (Spring 2015)

- Developed an application which helps GRE aspirants to prepare for the exam, which is made available on the Play Store.
- Developed an application which senses the noise in the neighborhood and automatically sets the volume.

Web Development Projects – Angel Hack (Spring 2015), MHacks (Fall 2015)

- Developed a web application for customizing Recruitment using HTML5, CSS, JQuery, Angular, Bootstrap, linkedin API and Node.js.
- Developed a web application for Customizing Twitter using HTML5, CSS, Angular, Bootstrap, twitter, alchemy API and Node.js.

Internet of Things Projects - Tech Mahindra i5 Hackathon

- Developed a IoT based intelligent chair which tracks the sitting habits and postures and gives real time updates on the your phone .This Project involved Arduino programming, Android for the phone, Node.js for the server.