

SURAJ RAJASEKHAR

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Education

University of Southern California, Los Angeles, CA
Master of Computer Science

May 2017

Visvesvaraya Technological University, Karnataka, India
Bachelor of Engineering, Information Science and Engineering

June 2012

GPA: 9.10

Technical skills

Programming Languages	C, C++, Java, Perl, Ruby, PL/SQL, Shell scripting
Web Technology	HTML, CSS, Javascript, Ajax, PHP, JSON, XML, XSD, NodeJS, JQuery
Database	Oracle 8i/9i/10g, MySQL, MongoDB, MS-Access
Other Tools	Git, Clear Case, Toad, Eclipse, Matlab, Oracle forms and reports

Work Experience

Technical Consultant, Tesco Lotus, Bangkok, Thailand

Dec 2014 - July 2015

- Involved in design, development, testing and deployment of Simpler Stock Margin project which aimed in forecasting the sales and thereby increasing the revenue by £2 million pounds per year.

Software Engineer, Tesco HSC, Bangalore, India

Oct 2012 - July 2015

- Worked as a PL/SQL developer primarily focused on developing PL/SQL packages, stored procedures, functions, triggers and Oracle reports 10g for Oracle Retail Warehouse Management System.
- Created custom reports for business users which reduced 6 man hours of effort per day.

Software Engineer, Mango Games, Bangalore, India

July 2012 to Oct 2012

- Involved in collecting user's data from Facebook insights with the help of Graph API.
- Analyzed customer's data to discover unknown insights and provide better customer profiling.

Projects undertaken

C++ Library for Hummingbird.me

Created a C++ library that interfaces with Hummingbird.me API which allows users to search anime library to get information like ratings, genres and synopsis of the shows that user has watched and keep track of completed, on hold and dropped shows.

Implementation of Metasearch Engine using PHP

Provided an integrated access to Google, Ask and Bing search engines; sorted and merged the results into single ranked list which improves search coverage and retrieval efficiency.

Weather Forecast Search, a Webapp and an Android app

Developed both Web and Android application to forecast weather information of any location using Forecast.io API, Google Maps, AERIS and Facebook SDK; to enhance the user experience, used Bootstrap components and jQuery plugin's.

Edge detection using Ant Colony Optimization (ACO)

Artificial intelligence technique to detect contour of an image like lines, corners and edges to extract important information from an image which can be used in feature detection and feature extraction.

Easy Route, an Android app

Created an app which suggests nearby places that tourists can visit and directions from the user's location; incorporated panic button which sends an automated text message during emergency.

Achievements

- IBM certified "Academic Associate Db2 Database and application fundamentals".
- Tesco Star Performer for building Agile Practicing Microsoft Sharepoint website.
- Received value awards for the outstanding performance and on time completion of sprint cycles.
- Presented and won many prizes in paper presentations and extracurricular activities.
- Nominated for the Best Student award by Tata Consultancy Services during undergrad.
- Participated in ACM, SparkSC and HackSC hackathons organized at USC.