ARCHANA RAMESH

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Actively seeking Full-time opportunities for May 2018.

COURSES COMPLETED

Java for Programmers, Knowledge Representation Technologies, Scholarship in IST Foundations of HCI, User Centered Design, Usability Testing

CURRENT COURSES

Information and Interaction Design, Research Methods, Web Technologies

EXPERIENCE

UX Design Intern - Pearit

May 2017- Aug 2017

I worked on designing the wireframes and developing the prototypes for their website- Intern magic. The pages I worked on for Intern magic included its home page, the student/ employee profile page and the employer profile page, the premium account signup page.

Intern - National Aerospace Labotories

Surface defect detection on Aircraft structures using Image Processing

Jan 2016- May 2016

The aim of this project was to detect dents on aircraft structures and also estimate the depth of it. Pictures of the dents with three different phase angles were taken and using Matlab these pictures were filtered, phase wrapped, phase unwrapped and height mapped to output the height of the dent. Won the best project award out of 70 projects in Information Science Department of R. V. College of Engineering. A research paper is published on this topic.

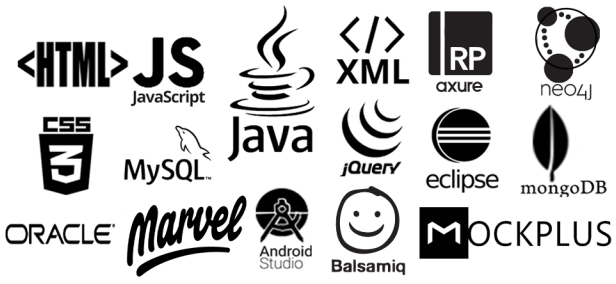
Intern - Indian Institute of Science

Android Application for Ultrasonic based Testing

Jan 2015- July 2015

Developed an Android app and designed its front end along with the Business requirement document. It took different Data samples for different kinds of signals as inputs and generated graphs indicating the distribution of the sample for each of these signals.

SKILLS



EXTRACURRICULAR ACTIVITIES

Won 3 gold, 3 silver and 1 bronze medals in city level swimming competitions.
Participated in Mega Ryla, which aimed at targeting innovative methods of teaching in Government schools.

EDUCATION

M.S. in Human Computer Interaction

Expected graduation date- May 2018
Rochester Institute of Techology, Rochester NY.

B.E. in Information Science

Graduation date- May 2016
R. V. College of Engineering, Bangalore, India.

PROJECTS

Usability Testing - Bergen Swamp preservation society

Feb 2017- May 2017

Collaborated with Bergen swamp preservation society to perform usability testing on their website. Our task was to spot problems in the website, evaluate the features that need improvement, features that are not working and the missing features, analyze the interaction behaviors and complete user experience. Heuristic evaluations were done post which screeners and flyers were printed, participants were recruited and a test plan was created. Usability testing was performed by creating tasks and asking participants to perform them and finally the results were interpreted.

Project - Accoutre

Feb 2017- May 2017

Designing an app that would assist people to choose clothing based on the weather condions and fashion trends. The project involves contextual inquiry, building the flow and sequence diagrams, artifact, culture, physical and consolidated sequence models and also making the affinity diagram. Low fidelity and hi fidelity prototypes were also made along with story boarding.

Google Maps Study

Feb 2017- May 2017

In this study, our group observed users using google maps and analyzed the problems faced by them with the user interface. This was done by conducing field observations and contextual inquiry and by conducing interviews. Post this was the stage of creating persona, story boarding and heuristic evaluations. Finally we will suggested possible solutions through wireframes and prototypes to the problems faced by the people based on information from the persona creation, design scenarios and story boarding.

Twitter Project

Oct 2016- Dec 2016

This application was developed, for the course 'Knowledge Representation Technologies' in Grad school, using Java Swing and MongoDB.
It fetched records of customers from a twitter database related to a given input keyword.

Course Outcome Mapping

Jan 2015- May 2015

Designed and developed a web application for the course outcome mapping system in R. V. College of Enginering, Bangalore. Each course had outcomes, and the scores students obtain in the tests and exams were mapped to these course outcomes.
The overall percentage of each student was compared to all the other students for each course outcome to determine how successful the student was in fulfiling that course outcome.
This also helped in updating the courses in future. SDLC lifecycle was followed for the development and UAT and SIT test scripts were used for testing. Backend: MySQL
Front End: Html, CSS, Javascript, Bootstrap, Ajax and JQuery