

ARCHANA RAMESH

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Actively seeking co-op/Internship opportunities, Summer-Fall 2017.

EXPERIENCE

Intern - Indian Institute of Science

Android Application for Ultrasonic based Testing

Jan 2015- July 2015

Developed an Android app, and designed its front end, that 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.

Intern - National Aerospace Laboratories

Surface defect detection on Aircraft structures using Image Processing

Jan 2016- May 2016

Developed this project in Matlab and designed its front end. Pictures of the dents with three different phase angles were taken and 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. Soon a research paper is going to be published on this topic.

PROJECTS

Course Outcome Mapping

Jan 2015- May 2015

Designed and developed a web application for the course outcome mapping system in R. V. College of Engineering, 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 fulfilling that course outcome. This also helped in updating the courses in future.

Backend: MySQL

Front End: Html, CSS, Javascript, Bootstrap, Ajax and JQuery

Android Quiz Application

April 2015- May 2015

Developed an Android application, for the 'Mobile Application Development' course in Undergrad, which asked the users questions based on Android app development and displayed the final score based on their answers.

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.

FIELDS OF INTEREST

Human Computer Interaction
Web Design and Development
Software Engineering

EDUCATION

M.S. in Human Computer Interaction

Expected graduation date- May 2018

Rochester Institute of Technology, Rochester NY.

GPA: 3.3

B.E. in Information Science

Graduation date- May 2016

R. V. College of Engineering, Bangalore, India.

COURSES COMPLETED

Java for Programmers

Knowledge Representation Technologies

Scholarship in IST

CURRENT COURSES

Foundations of HCI

User Centered Design

Usability Testing (Working for Bergen Swamp Preservation Society to improve their website)

SKILLS



EXTRACURRICULAR ACTIVITIES

- Won 3 gold, 3 silver and 1 bronze medals in city level swimming competitions.
- Part of a Rotary Club (a voluntary organization).
- Participated in Mega Ryla, which aimed at targeting innovative methods of teaching in Government schools.
- Taught in an orphanage for a month.