

EDUCATION

2015-Present | University of California, Santa Barbara

Master's in Computer Science

2011-2015 | Dr. Ambedkar Institute of Technology

Bachelors in Information Science and Engineering-9.25

WORK EXPERIENCE

2013-2015 | Li2 innovations, intern | Bangalore, India

Embedded system programming initiatives

Gesture and voice controlled robots

Programmed automation systems

Conducted workshops on Arduino

Developed open source applications

Web development

July-Aug 2012 | Technophilia, intern | Bangalore, India

Embedded programming

Web development

SERVICE | OUTREACH | AFFILIATIONS

Women in Computer Science, Co-president

University of California, Santa Barbara (fall 2015-Present)

Help women lead initiative, Founder

Initiative to teach underprivileged girls about computer science (2013-Present)

Founder of clubs, Dr. Ambedkar Institute of Technology:

Innovation and Entrepreneurship Development Cell (IEDC)

Web Designers and Developers Group

Technical Club

Women in Technology Group

Lead of clubs, Dr. Ambedkar Institute of Technology:

GLUG- A part of Free Software Movement Karnataka (FSMK)

Computer Society of India (CSI)

RECOGNITIONS

GRIT-Technical fest, First Place

Coding, Debugging (2012)

School talent search, First Place

Graphic designing (2011)

University rank, Top Third

Bachelor's degree for all semesters (2012-2015)

INTERNATIONAL PUBLICATION

An automated interactive job service portal, IJARCSSE, Volume 5, Issue 4, April 2015

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PROJECTS

Fall 2015 | Social network note sharing web application for students

Designed, developed and tested a web application that allows students to make notes, search others notes, comment on notes, vote notes, follow users and their notes. This was built using Ruby on rails and tested for load and performance using Tsung.

2014-2015 | Automated Interactive Job Service Portal

Designed, developed and tested a web based application for the university Career and placement with 6 different profiles including Student, company, placement officer, executive staff, department coordinators and company. This was done using html+css+javascript+mysql+php

Jan-July 2014 | University Online Admission System

Designed, developed and tested a web based application for Dr. Ambedkar Institute of technology in order to make the admission system online. This was done using html+css+javascript+access+ASP

Jan-Mar 2014 | Application Controlled lighting system

Built a home lighting system that changes light color depending on the selection of the color using phone color selector application. This was done using Arduino, android application and LED strips.

Nov-Dec 2013 | Home Automation System

Built a single point control to all home appliances which can be controlled from anywhere. The system used Raspberry Pie to control and server to store updated information

July-Nov 2013 | Controlling robots by different means

Built a system wherein the movement of the robot could be controlled by voice, make a robot follow a path and avoid obstacles.

Jan-July 2013 | Automated moisture detection and water supply in huge agricultural land.

A system which detects moisture content in the soil and supplies water automatically.

SKILLS

Programming Languages

HTML+CSS

JavaScript

Ruby on Rails

C, C++

Java

ASP

PHP(LAMP)

Platforms

Android

Microsoft

Linux

Raspberry Pie

Arduino