Pooja Mahadev Soundalgekar

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Git & LinkedIn

https://github.com/Pooja-Mahadev-Soundalgekar

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Technical Skills

Programming Languages-
C, C++, Java, Python, CSS3, PHP, QBasic
Markup Languages-
HTML, XML, XHTML
Database- MySQL
Client Scripting Language-
JavaScript
Tools-
Android Studio, Latex, Scilab, NetBeans, Eclipse, CPanel
Web-Framework-
Meteor-JS Framework
Version Control- Git
OS- Windows, Linux
Unix Shell Programming

Extra Curricular

NITK Campus Ambassador-
HackerEarth (Developer Community)
Executive Member-
IEEE-NITK Student Branch
Member-
Web Enthusiast's Club, NITK
Member-
'Engineer'(technical fest, NITK) Computer Committee
Competitive Coding-
Codechef- p1s3
Hackerrank- pooja_m_s
IEEE Xtreme 9.0- AIR 62

Area of Interest

Design of Algorithms
Software Analysis & Design
Web Applications

Education

B.Tech in Information Technology   2014 - 2018
National Institute of Technology Karnataka, Surathkal, India
CGPA: **9.12**/10 (May 2016)
High School- Venkat International Public School, Bangalore (CBSE)   2005 - 2014
CBSE XII Board: **96.2%**
CBSE X Board: **10**/10 CGPA

Work Experience

Research Intern at FOSSEE, IIT Bombay   Mumbai, May 2016 - July 2016
Developed an open source LabVIEW equivalent - Xcos on web (Xcos is a Scilab module). Worked on the webpage's GUI using mxGraph, Xcos block data structures (conversion of .sci file data to .js format). Implemented calling of scilab instance using Xcos API and worked on AJAX code to send Xcos file to server and receive output on browser.

Intern at Zeuristech Enterprise Networks Pvt. Ltd (ZEN)   Pune, December 2015 - January 2016
Making and testing Hybrid App in PhoneGap and Meteor and comparing their results. Finished tasks like debugging .jsp and .html files of ZEN's website, database management on ZEN's website's HTML forms using PHP, JS and MySQL.

Software Engineering Intern at Discount To Students- Startup   Bangalore, December 2015
Analysing Meteor Packages and making a Hybrid App in Meteor which uses Google JS API and Google Distance Matrix API to get road distance between two locations and display it. App implemented to show a person at a given location and a list of hotels near him.

Projects and Presentations

Raspberry Pi 2 Car   January 2016 - March 2016
Developed a car that is powered by a Raspberry Pi that follows a object which is tagged with an image. The Pi uses image processing to detect and determine direction of motion of the object and then controls the motors of the car making it turn and change speed. **--Python and OpenCV**

Multiple Face Emotion Recognition   January 2016 - March 2016
Trained data containing multiple emotions and detected emotions like sadness and happiness by implementing a regression algorithm. Optimized code for detecting multiple faces at angles and incomplete faces. **--Python and OpenCV**

Uni-player Scrabble Game   January 2016 - March 2016
Implemented a user interface for the scrabble board, validated the word formed by the user, calculated score based on the word (letter and grid weightage) and realized the end of the game. Implemented an algorithm for AI. **--Python**

Maximum Clique Problem- Paper Implementation   January 2016 - March 2016
Implemented the old and new algorithm for NP hard- maximum clique problem presented in the paper and tried optimizing it using vertex colouring technique. **--C++**

Presentation on Javascript at ZEN   December 2015
Gave a two day presentation on Javascript to the trainees at ZEN introducing them to the software designing skills, describing the JS framework-Meteor, Google JS API and scripting Google spreadsheets for storing data without a server. **--JS, Meteor, Google JS API**

Developed a Hotel Management System using Java   November 2015
Used GUI framework. Worked with serialisation and swings to store user data, check in and check out dates using a calendar and accordingly book a room based on it's availability. **--Java**

Achievements

1.Among Top 3 winning teams of the Microsoft code.fun.do online hackathon and invited to the code.fun.do Finalists Forum (Built Lighte- Android app for visually impaired people).
2.Received Certificate for completing the Applied CS with Android course conducted by Google.
3.Received Certificate of Excellence for completing iBTooth Robotix workshop conducted by Technophilia Systems in association with RCA Institute of USA. - October 2014
4.Got felicitated by the HRD minister of India, Mrs. Smriti Zubin Irani for exemplary performance in the 12th CBSE board examination.