Yuvraj Singh Bawa

UNDERGRADUATE STUDENT AT NITK SURATHKAL

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Education

National Institute of Technology Karnataka, Surathkal _CGPA: 8.59_
B.TECH (MECHANICAL ENGINEERING) _2013 - 2017_
Royal College of Arts, Science and Commerce _Percentage: 95.33_
INTERMEDIATE (PRE-UNIVERSITY) _2013_
Holy Cross Convent School _Percentage: 95.09_
MATRICULATION _2011_

Skills

- Programming in Python, C++, and JavaScript
- Softwares/Packages - MATLAB, Octave, OpenCV, GIMP, Adobe Photoshop, AutoCAD
- Web Technologies - HTML5, CSS3, jQuery, PHP

Experience

Siemens Technology and Services Pvt. Ltd. _Bengaluru, India_
SUMMER RESEARCH INTERN _May, 2016 - July, 2016_
- Developed APIs for parsing documents to extract useful information and creating first-order logic systems for generation of knowledge-based engineering systems.
- Created a surrogate model generator that implements an improved version of multivariate polynomial regression.

CybrHome _Mangalore, India_
FULL STACK DEVELOPER _February, 2016 - March, 2016_
- Worked on the development of the CybrHome chrome extension which can be used for discovering websites directly from the browser.

Foodbingo, IIT Bombay _Mumbai, India_
SUMMER INTERN _May, 2015 - July, 2015_
- Foodbingo was a startup incubated at IIT Bombay.
- Developed an application in JavaScript and GMaps v3 API. Additional responsibilities were working with front end technologies like Bootstrap and jQuery UI and DNS management.

Youth Youniverse _Work from Home_
WEB DEVELOPER AND GRAPHIC DESIGNER _March, 2015 - May, 2015_
- Created the website for Youth Youniverse using Bootstrap v3, jQuery and PHP for the backend.
- Created graphics, posters and designs for various events GIMusing P.

Projects

IRIS-Student Life Cycle Managment System _NITK Surathkal_
FRONTEND LEAD _December, 2015 - Present_
- Lead the development of a user-friendly and responsive frontend for IRIS.

CubeStormer-An autonomous robotic system to solve a Rubik's Cube _IEEE NITK_
PROJECT LEAD _June, 2015 - August, 2015_
- Developed an application using Apache Cordova to retrieve the orientation of a Rubik's cube and solve it using Koceimba's two phase algorithm.

WoSApp – A Mobile application for women's safety _IEEE NITK_
FRONTEND AND BACKEND DEVELOPER _NOVEMBER, 2014 - APRIL, 2015_
- Developed a mobile application that provides women with a reliable way to place an emergency call to the police using Apache Cordova.
- Paper detailing the project accepted for oral presentation and publication at IEEE TenCon, Macau, 2015.