

Career Objective

To work in an institution where I can acquire new knowledge, sharpen my skills, and put my full efforts in achieving institution goals as well as individual goals.


Citations

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Experience

+ 2

 Bengaluru, Karnataka

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ACHIEVEMENTS

Secured First Prize in X-eBIT IoT Project Exhibition for the project 'Obstacle Detection System for Railways'
Mar 2017

Presented research paper 'Android Security Issues and Solutions' at ICIMIA and published in IEEE Xplore
Feb 2017

Conducted national level summer and winter workshops on Data Analysis Using Excel organized by CART
2016-17

Bangalore University 4th Rank Holder - BCA
2012-15

Amul Vidya Bhushan Award II PUC
2012

Best Outgoing Student of the Year II PUC
2012

Areas of Interest

Machine Learning

Internet of Things

Data Mining and Analysis

Development



PROFESSIONAL EXPERIENCE

Nov 2017 - Present

Software Development Intern

at DSquare Solutions (Smarter Faster)

 Bengaluru

Responsible for design and development of web-based project 'Campaign Management System' using React, AOR, Loopback.io and MySQL. Interactive data visualization using D3.js MySQL query optimization to reduce the execution time.

Dec 2017 - Present

Educator / Online Tutor

at Unacademy

 Work from Home

Responsible for creating online computer programming courses like IoT, Machine Learning using Educator App provided by Unacademy.

Jun 2016 - Oct 2017

Trainer / Facilitator

at Centre for Advanced Research and Training, Christ University

 Bengaluru

Responsible for framing syllabus, creating course materials for the courses 'Introduction to Internet of Things' and 'Data Analysis using Excel' and conducting classes to UG / PG students of Christ University.

Jan 2015 - Mar 2015

Software Development Intern

at Actroid Technologies

 Bengaluru

Responsible for the design and development of android-based project called 'SpyDroid'.

Aug 2014 - Oct 2014

Software Development Intern

at Onicra Credit Rating Agency

 Bengaluru

Responsible for the design and development of web-based project called 'Onicra's Employee Management System'.



EDUCATION

Jun 2015 - Apr 2018

Master of Computer Applications

at Christ University

 Bengaluru

Board / University: Christ University

Percentage: 82.35%

Jun 2012 - May 2015

Bachelor of Computer Applications

at Reddy Jansangha Degree College

 Bengaluru

Board / University: Bangalore University

Percentage: 90.13%

Apr 2010 - Mar 2012

II PUC - CEBA

at Reddy Jansangha P U College

 Bengaluru

Board / University: Department of Pre University Education, Karnataka

Percentage: 91.50%

March 2010

SSLC

at Corporation Boys High School, Taskar Town

 Bengaluru

Board / University: Karnataka Secondary Education

Percentage: 78.08%



TECHNICAL SKILLS

Programming Languages

C, C++, Java, Arduino

Web Development

HTML, CSS

App Development

Android

Scripting Languages

JavaScript, PHP, R, Python

Operating Systems

Windows, Ubuntu

Database

Oracle, MySQL

Data Tools

Advanced Excel, R, MATLAB, Weka, D3.js, Dimple D3.js



CERTIFICATIONS

Certified in R Basic, Unsupervised Learning in R by DataCamp | 2017

Certified in Big Data Analytics by Edureka | 2017

Certified in Basic and Intermediate Advanced Excel by CART | 2015 – 2016

Certified in MATLAB Basic by CART | 2017



ABILITIES AND SKILLS

Quick Learner

Dedication and Sincerity

Time Management

Enthusiastic for teamwork



PERSONAL DETAILS

D.O.B – 10th Jun 1995

Gender – Male

Languages Known – English, Tamil, Kannada and Hindi



RESEARCH PUBLICATIONS

- S. Karthick and S. Binu, 'Static Analysis Tool for Identification of Permission Misuse by Android Applications', International Journal of Applied Engineering Research, 12(24), pp. 15169-178, 2017
- S. Karthick and S. Binu, 'Android Security Issues and Solutions', International Conference on Innovative Mechanisms for Industry Applications (ICIMIA-IEEE), pp. 686-689, 2017
- S. Karthick, A. Patil and U. S U, 'Obstacle Detection System for Railways', International Journal of Trend in Research and Development, pp. 33-35, 2017
- S. Karthick, 'Odd Even Based Binary Search', International Journal of Computer Engineering and Technology, 7(5), pp. 40-55, 2016



PROJECT DETAILS

Professional Chat Application based on NLP

using Android, Firebase, Natural Language Processing

Jun 2017 – Sept 17

Summary: To create professional chat application that will not let the user send inappropriate messages using NLP concepts.

Obstacle Detection System for Railways

using Arduino Uno, Mega, Sensors, Arduino Programming

Nov 2016 – Feb 17

Summary: To find any obstacle or barrier in the railway track before actual train runs and update all the information in the cloud to avoid railway accidents.

Speak Out Loud – The Social Spirit

using HTML, CSS, PHP, Bootstrap, XAMPP Server

Jun 2016 – Oct 16

Summary: To help every person of the society when they are in emergency to solve their societal problems.



EXTRA CURRICULAR ACTIVITIES

- Active Member in Light to the Nations - Trust to help Orphans, Old age people, Education to the poor children and to create awareness among the people to live the healthy life both physically and mentally
- Conducted coding event in Revelations - 2017 organized by Department of Computer Science, Christ University
- Conducted Code Master event in Gateways - 2017 organized by Department of Computer Science, Christ University
- Helped various faculty members and students for solving their research problems using Excel
- Guiding student facilitators for the courses 'Introduction to IoT' and 'Data Analysis using Excel' organized by CART, Christ University