

# Valliammai Subramanian

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## SUMMARY

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Expertise lies in object oriented programming in Java and C++. Worked on android app development and web designing. Strong in computer science theory, operating systems, algorithms, and mathematics. Experienced in programming in Java, C++, HTML, CSS, PHP, and Linux. Knowledgeable in Python and Hadoop. A fast learner who is self-motivated, resourceful, and able to work independently or in a team. Resident of Singapore and available for in-person interview at your convenience.

## WORK

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### Lady Doak College, India

Nov 2016 - May 2017

Lecturer | Computer Science

- Taught year 1 and year 2 computer science classes comprising more than 200 students
- Lectured 2 main computer science courses, namely (i) Java and (ii) Oracle (database management system)
- Tutored programming language classes including C++, C#, HTML, Javascript, Visual Basic
- Prepared lecturer materials and exam questions

### Wowappbakery.com, India

Jun 2016 - Oct 2016

Software Development Analyst Intern

- Worked extensively with Android Studio to develop web app, with front-end in PHP & advanced Java, and back-end in MySQL
- Designed user responsive layouts and controls
- Handled troubleshooting and testing of the web app
- Page template and image templates were designed to meet industry standards

### Lady Doak College, India

Dec 2015 - May 2016

Web Designer

- Envisioned and implemented web-based student attendance and examination mark system, for a large database of 7000+ students and 15+ departments in the college
- Enabled administrators to make updates to the web records via a user friendly web interface
- Additionally, developed a mobile app, linked to the web, for easy update of student attendance by staff
- Utilised .NET, Visual Basic, and MySQL

## CERTIFICATES

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### Java Programming Language using SE6

Apr 2011 - Sep 2011

NIIT | Oracle Certification

- Object-oriented programming, graphical user interface (GUIs) creation, exceptions, file input/output, multithreaded applications, swing components, error-handling, Java applications, and networked applications.

## TECHNICAL SKILLS

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Language	C, C++, C#, Core Java, J2EE, Python
Tools	Git, Eclipse, IBM Enterprise Tools, Matlab
Databases	SQL, Oracle, MySQL, Hadoop
Web Designing	HTML, CSS, XML, JavaScript, .NET, VB, AJAX, PHP, JSP

## SEMINARS PRESENTED

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Future of Green Computing   Technical Symposium, LINERIA, India	Mar 2013
Data Tools in Cryptography   National Conference on Cyber Security, India	Feb 2015
Comparative Study of Image Enhancement   National Conference on Technology Strategies, India	Aug 2015

## EDUCATION

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### **Madurai Kamaraj University, India**

Jun 2014 - May 2016

Masters in Computer Science

- GPA : 7.90/10.00 (Gold Medalist)
- Created an e-system for uploading, verification, and access control, of examination papers
- Implemented data security layers in the website to ensure data integrity (key skills: MS Visual Studio, SQL server)

### **Alagappa University, India**

Jun 2011 - May 2014

Bachelors in Computer Science

- GPA : 9.01/10.00 (First Class Honors | University 2nd Rank)
- Created an online e-portrait management system, which includes photo upload, online photo capture, photo editing tool, and order placement with payment processing (key skills: PHP, MySQL, WAMP Server)

## HONORS AND AWARDS

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### *Scholarships*

University Grants Commission Merit Scholarship | for Master's degree

Jun 2014 - May 2016

### *Prizes*

Gold medal | for Master's degree by Kamaraj University

Apr 2016

University 2nd Rank holder | for Bachelor's degree by Alagappa University

Jul 2014

## PROFESSIONAL AND LEADERSHIP ACTIVITIES

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Member, Computer Society of India

Jan 2013 - present

Implemented e-waste recycling system | at Lady Doak college

Jan 2016