

# Valliammai Subramanian

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82 Commonwealth Close, #06-135, Singapore, 140082

## SUMMARY

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- **Expert:** object oriented programming in C++, Java8 (certified by Oracle), javascript, .NET
- **Experienced:** SQL, Oracle, Git, AJAX, HTML5, CSS3, jQuery, Eclipse, PHP, JDBC, Visual Basic, Swing, Linux/Unix
- **Knowledgeable:** NoSQL, XML, unit testing frameworks, Python, Hadoop, network protocols/web technologies (i.e., TCP/IP, HTTP, SSL, certificates), single sign-on (SSO) concepts, server side Java scripting, NodeJS
- **Worked** on android app development and web designing
- **Strong** in computer science theory, operating systems, algorithms, and mathematics
- 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, Linux/Unix
Databases	SQL, NoSQL, Oracle, MySQL, Hadoop
Web Designing	HTML5, CSS3, XML, JavaScript, jQuery, NodeJS, .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  
Comparative Study of Image Enhancement | National Conference on Technology Strategies, India

Feb 2015  
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