

PAVAN R. LUPANE

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EDUCATION

University of Southern California, Los Angeles, CA

Aug 2015-May 2017

Viterbi School of Engineering

Masters of Computer Science

Coursework: Analysis of Algorithms, Web Technologies

University of Pune, Pune, India

Jul 2009-Aug 2013

Bachelor of Computer Engineering (Ranked 3rd among 200 students)

TECHNICAL SKILLS:

Programming Languages: Java(advanced), C, C++(proficient), C#(intermediate), Python (beginner)

Web Technologies: JavaScript (advanced), HTML (advanced), PHP (proficient)

Databases: MySQL, Oracle 10g, Limited experience in DB2 and PostgreSQL

Frameworks and Tools: Bootstrap, Android, JUnit, AutoSys, Apache Maven, Git

WORK EXPERIENCE:

Barclays Technology Center India

Aug 2013-Jul 2015

Technology Analyst in Equities Technology

- Worked as a Java developer for Post Trade Equities Platform, MOCHA.
- Developed and maintained a data sourcing application which involved development of a cache mechanism(LFU) on client-server architecture. (SDLC: Agile Methodology)

Volunteer for Corporate Social Responsibility

- Developed an Inventory Management application(using OpenERP) for a NGO named Keystone Foundation.

ACADEMIC PROJECTS:

Weather forecast website and Android Application

Nov 2015

Technologies: (Website)HTML5, jQuery, php, bootstrap, AWS EC2 |(Android) Java, php, REST APIs

- Developed a weather forecast website and an android application that shows weather forecast.
- Application uses REST APIs of Facebook and Aeris maps to share results on Facebook and display the map of the location with cloud cover.
- Deployed this website on amazon elastic compute cloud server(AWS EC2).

Group Authentication for ubiquitous devices

May 2013

Technologies used: Java, MySQL, UTD Paillier Threshold Encryption Toolbox

- Developed and implemented a new group authentication mechanism using threshold cryptography to improve the security in group oriented applications of the Internet of Things.
- Improved the speed of authentication by 25% as compared conventional authentication ensuring all security measures are satisfied.
- Published and presented a paper titled "Group Authentication Using Pailier Threshold Cryptography" in an IEEE conference.

Event Scheduling and Management System

March 2012

Technologies used: C#, .Net, MySQL

- Developed an application that schedules cricket matches based on real time results and displays historical statistics.