

## Priyanka Tayade

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OBJECTIVE: SEEKING FULL TIME POSITION IN COMPUTER SCIENCE FIELD.

### EDUCATION

**SANTA CLARA UNIVERSITY** Graduated Jun 2015 | Santa Clara, CA  
MASTERS IN COMPUTER SCIENCE AND ENG. Cum. GPA: 3.3

**UNIVERSITY OF MUMBAI** Graduated May 2012 | Mumbai, India  
BE IN ELECTRONICS ENGINEERING

### PROGRAMMING SKILLS

Technologies: Java, C++, PHP, MySQL, JavaScript, XML, AJAX, C#, Scala, Python, Node.js, NoSQL.  
Tools: Eclipse, GDB, Visual Studio, Qt

### EXPERIENCE

**SANTA CLARA UNIVERSITY** | RESEARCH ASSISTANT July 2014 – Present | Santa Clara, CA  
Android and Qt applications (Number Game and unit convertor in Play store) and desktop application using Qt (C++) and ported it to android.

Desktop Application is for managing music files and sharing using TCP/IP Protocol using Qt Network module.

Developed and published a website using Bootstrap CSS

**IRIS BUSINESS SERVICES INDIA PVT LTD** | SOFTWARE DEVELOPER (Full Stack) Sep.2012 – May 2013| Mumbai

#### **RMS: Resource management system (Payroll System)**

- A system where you can maintain records of the employees, payroll, reporting persons and also records of project resources such as documentation, allocated resources etc.
- We have worked on both frontend and backend .It is developed using PHP, AJAX, jQuery, JavaScript, Oracle Database.

#### **Workflow management system**

- This is designed for XBRL Filing team which worked for Merrill in USA. System designed to manage work flow of project and project resources.
- Work involved designing and deploying MySQL Database, writing SQL procedures and developing and deploying the project on live server.

### PROJECTS

#### **REMOTE FILE REPOSITORY SYSTEM**

This is implemented using C#, WPF, WCF. Project was developed in stages by first developing an Operational Concept Document for each stage. Ownership, file dependency, Categories and metadata for search operation were few of the services provided to the client.

#### **INTERNET OF THINGS (IN SCALA USING PLAY FRAMEWORK)**

Built an open source standard API that identifies each device uniquely and registers them to the server. Acts as a medium through which registered device will communicate with the server or with each other. Devices can be mobile app or any dumb terminal, type of service will depend on the device.

#### **SUPERVISORY CONTROL AND DATA ACQUISITION**

Embedded system consisting of communication unit, processing central unit (8086) and remote sensors (temperature, moisture, smoke and light sensors).Data was monitored and displayed GUI (VB using C#).Warning or alert messages were sent using Nokia AT commands to the registered cell phones.

#### **ECO RECYCLE SYSTEM**

Multi layered OO application in Java, Implemented UI using Java Swing Package using different layouts, used observer pattern for notification, Used MySQL database.

#### **K MEANS CLUSTERING ALGORITHM ON HADOOP VS. WEKA.**

### ACADEMIC PAPER

Suffix Tree Algorithm Analysis Report, PageRank Algorithm for Dynamic Graph

GRADUATE COURSEWORK: Advanced Algorithms ,Object Oriented Programming Paradigm, Big Data and Analytics, Secure Coding in C and C++ (Linux), Mathematical basis for computing, Cryptography, Software Modelling and Analysis, Network Technology, Global Team building

UNDERGRAD COURSEWORK: Embedded Systems, Wave Theory, Robotics, Image Processing, Linear IC design, VLSI Analog and Digital Communication, Information Theory, Control Systems