

# Priyanka Sapkal

<https://www.linkedin.com/in/priyankasapkal>

<https://github.com/priyanka-sapkal>

Email : priyanka.sapkal@outlook.com

Mobile : +91-8983246427

## EDUCATION

---

- **Savitribai Phule Pune University** Pune, India  
*Bachelor of Engineering in Computer Engineering* 2016

## TEST SCORES

---

- **GRE** Sept, 2017  
*306 (Quant - 157 Verbal - 149 AWA - 4)*
- **TOEFL** Oct, 2017  
*90 (Reading - 27 Listening - 21 Speaking - 22 Writing - 20)*

## TECHNICAL SKILLS

---

- **Programming & Scripting Languages:** C++, Java, Python, Apex, VisualForce, Pearl, lisp, Assembly Language (NASM), MySQL, MongoDB, UNIX Shell Scripts, JavaScript, JSP, AngularJS, JQuery and PHP.
- **Mark-up Language:** HTML, XML and JSON, Bootstrap, CSS.

## PROFESSIONAL EXPERIENCE

---

- **Persistent Systems** Pune, India  
*Software Engineer* July 2016 - Present
  - Developed enhancements using Apex and VisualForce for Bajaj Finserv, financial service.
  - Optimized code base to improve code quality by 72%.
  - Implemented 3 major Proof of Concepts (POC) using Salesforce Lightning.
  - Designed use cases and implemented test classes for corresponding apex classes.
  - Assisted in production deployments of enhancements using Salesforce and Apache ANT.

## RESEARCH EXPERIENCE

---

- **Machine Learning for Cancer Treatment Prediction** Los Angeles, CA  
*Professor: Ramin Ramezani, Center for Smart Health* April 2017 - July 2017
  - Proposed a novel technique using clinical data for predicting best treatment option for cancer patients.
  - Implemented multiple machine learning techniques using TensorFlow and scikit library in Python.
  - Modified the algorithm to obtain an accuracy of upto 85%.
- **Box Office Revenue Prediction Using Dual Sentiment Analysis** Pune, India  
*Computer Division, Persistent Systems* 2015 - 2016
  - Proposed a novel technique for analysing the polarity of sentiments and predicting success of movies using twitter data.
  - Implemented Dual Sentiment Analysis in Java and developed the web application using Servlet, JSP.
  - Performed data sanitization on raw data to improve the system performance by 43%.
  - Implemented multivariate linear regression using sentiment analysis to achieve an accuracy of 90%.
- **Application for Preventing Runtime Information Gathering on Android OS** Pune, India  
*Computer Division, Bhabha Atomic Research Centre (BARC)* 2015 - 2016
  - Designed and implemented 3 new Runtime Information Gathering (RIG) attacks targeting Android OS.
  - Implemented a solution for each RIG attack using behavior - based malicious application detection system.
  - Optimised the solution by 85% for better performance using multithreading in Java.
- **Hospital Recommendation System** Pune, India  
*Computer Division, Sinhgad College of Engineering* 2014 - 2015
  - Predicted diseases using static knowledge base.
  - Implemented recommendation functionalities using C#.
  - Developed data model and performed database operations using MySQL.

## CERTIFICATIONS & AWARDS

---

- 1<sup>st</sup> position, FinePro 2016 - Annual Computer Engg. Department Competition in category of Data Mining.
- Salesforce Platform Developer 1 Certification, 2017.

## PRESENTATIONS & CONFERENCE PROCEEDINGS

---

1. Rajput P., Sapkal P., Sinha S. "Box Office Prediction using Dual Sentiment Analysis", 2017, IJMLC, Volume 7 Number 4.
2. Rajput P., Shaikh A., Sapkal P. "Protection Against Broadcast Based Runtime Information Gathering on an Unrooted Android Operating System", 2017, Submitted.
3. Rajput P., Shaikh A., Sapkal P. "Exploiting Permissions and Broadcast Architecture in Android for Stealthily Stealing User Information", 2017, Submitted.
4. Sapkal P., Scalable Face Image Retrieval Using Attribute Enhanced Sparse Codewords, 2015, Sinhgad College of Engineering (SCOE), Pune.