

EDUCATION

B.E. Computer Engineering.
Sarvajanik College of Engineering & Technology, Surat. (June 2007 – May 2011)
Aggregate Percentage: 55%
GRE : 305 (Verbal- 147, Quant- 158)
TOEFL: 94 (Speaking- 23, Reading-24, Writing- 27, Listening- 20.)

UNDERGRADUATE PROJECTS

1. ONLINE MOBILE LIBRARY (MAJOR – DURATION : 2 SEMESTERS)

It is a facility using which library users can check the availability of a book, make a request for available/issued book using Android Application. Moreover, automatic SMS and e-mail notifications are sent two days prior to return date of book to users. The main goal of our developing of mobile application was to provide college students and college library innovative, completely new facility to overcome issues they encounter with traditional library system like visit a library and check availability of a book, remember return dates of books. In real time testing, adapting college library database comprised of more than 10,000 books, mobile application as well as admin side functionalities worked successfully.

Tools & Technology used: Android, PHP & MySQL(Administration side), Javascript, Eclipse IDE.

2. WEBSITE DEVELOPMENT : ONLINE MUSIC LIBRARY (MINOR – DURATION : 1 SEMESTER)

The website allows users to sign up which lets them listen to online music from the list of songs available. Moreover, they are given facility to manage their playlists as per their choice. They can add, remove, edit playlists and share activities via social media. Indexing of pages, managing database and users playlists with multiple songs with no song gets repeated in a same album, sharing on social network were primary challenges we faced.

Website Developed in : PHP, ASP.NET, JSP, Servlet, Javascript.

Tools & Technology used: Adobe Dreamweaver, Netbeans, XAMPP, SQL Server 2010, MySQL.

RESEARCH INTEREST

Mobile Application development, Cloud Computing, Networking, Internet Security, Operating Systems, Database Management, Software development & Testing.

TECHNICAL COMPETENCY

Programming Languages : C, C++, JAVA, Objective-C .

Database Systems : Oracle, MySQL, SQLite, MSSQL 2010.

Web Technologies : PHP, HTML, HTML 5, Javascript, C#, CSS, JQuery.

Operating Systems : Windows, Mac, Linux.

Tools & IDE : X-Code, NetBeans, Visual Studio, Dreamweaver.

PROFESSIONAL EXPERIENCE iOS Developer – 10 months (June 2011- April 2012) , NAROLA INFOTECH, Surat with 6 completed projects.

iOS Developer- 6 Months (December 2012- Present), PRAGMA INFOTECH, Surat with 2 completed projects.

PROJECT DETAILS

1) The UKFightLab (June 2011):

An **iPhone application** which contains video tutorials of self-defense and e-books. Video player with stop, play, pause controls, eBook reader, mail sending implementation.

Link: <https://itunes.apple.com/us/app/the-uk-fight-lab-special-forces/id471813359?ls=1&mt=8>

2) Watercolorz (June-July 2011):

Based on Apple GLPaint this paint application provides additional exciting features using OPENGL ES 2.0 like: selection of Brush, colors, pencils; Undo/Redo(upto 2 steps) ; transparent effect in color.

3) Appmaker (August 2011 – November 2011)

Collection of templates whose primary objective was to display data present on website on mobile application using web services by parsing them. Some prominent features implemented are listed here: Image Zooming; Photo Scroll like iPhone Gallery; Asynchronous image downloading to faster image loading; Cover flow like iTunes album; developed for both iPhone and iPad; Calendar implementation, XML and JSON data parsing and display of data.

4) Spotted (November 2011)

An iPhone app to keep track of favorite locations of all photographs. Features: Story Board, ARC supported; Camera functionality; SQLite for database; Maps; Social media integration; GPS.

5) Grubber Food Truck: (December 2011- January 2012)

Developed for iPhone which provides information of Food Trucks serves food on the go in popular areas of California. Application provided important information of these trucks like current locations, item menus, weekly schedules. On Admin side Admin can make necessary changes like truck menu, schedules, prices from iPhone application. Features: Nearby Trucks' location displayed on Maps; Search truck by name/item; Truck profile display with details like menu, schedule, rating by users; Facebook-Twitter integration.

6) RDRProject : (February 2012- April 2012)

iPad app developed for architects, builders and contractors to facilitate with information like building plans, workers, repairing information. Features: DropBox integration for data download/upload; Core-Data; report generation in PDF; file sharing using iTunes; calculation of costs of material/labor.

[App was developed for personal use so no App Store link available.]

7) Speed Dial: (March 2013)

An iPhone application which allows user to add their favorite numbers as Speed Dial. Favorites contact's image is added on home screen. Long press on image will let you send message and simple touch will call that contact. Core data used for database management. Addressbook implemented to fetch contacts. Facebook, Twitter integration.

[App is under for review at the time of updating resume.]

Link: <https://itunes.apple.com/us/app/speed-dial-free/id638644302?ls=1&mt=8>

Facebook page: <https://www.facebook.com/speedDialiOS>

8) E Commerce website: (April 2013 to present)

Website for t shirt dealer developed in PHP. Shopping cart, Payment gateway implemented on client side. On Admin side inventory management, product listing, CMS (Content Management System) using CKEditor . Database management using MySQL in back end. Javascript implementation for validation.

[Website is currently being developed and tested so link not available yet.]

CERTIFICATIONS

- 1) Attended workshop on “**Cloud Computing**” organized & certified by **IBM**.
- 2) Workshop attended for **RAD(Rational Application Development)** organized by **IBM** and obtained 48% in certification test conducted by them.
- 3) Certified workshop on “**MatLab**” organized by **CSI (Computer Society of India)**.
- 4) Workshop on “**ROBOTICS**” organized by my college SCET.

TECHNICAL ACTIVITIES

- 1) Paper presentation in **Updates** (Technical event organized by Computer Dept) on “**WiMax**”.
- 2) Participation in Robotics competition in Kshitij and Mindbad national level technical festivals organized by SCET and SVNIT respectively.
- 3) Frequent participation in technical and General Knowledge quiz in various events.
- 4) Active participant on technical discussion on dedicated Q&A site.
<http://stackoverflow.com/users/818506/rohan-patel>