PROJECTS:

This is a short info of all the projects:

**University Recommendation System – an Open API system**

•Developed open API system on which other web & mobile system can be developed.

•Demonstrated the use of open API by developing web-based university recommendation system.

•It would have a data collection tool, data mining engine & a visualization module.

•Technologies Used: Java, Spring framework, REST Web Service, Mongo DB. Twitter BootStrap3, Backbone.js, MVC Architecture

**LetsBuy-A Multitenant Solution**

•A multitenant solution for people to buy clothes & accessories from different brands.

•Implement multitenant data model Shared Database, Custom Extensions.

•Five clothing brands integrated together to sell common products as well as individual featured items.

•Individual featured products include specialties of each brand like belts, watches, sunglasses, etc.

•Technologies Used: RESTful Web Service, Java Spring Framework, MySQL and Maven.

**Life Stream Photo Sharing System**

•Asynchronous event-driven communication & storage system to consume, store & retrieve user images using JBoss Netty channel.

•Serializing & de-serializing of user data with Google Protobufs.

•Image storage & retrieval using Java Persistence API & PostGIS.

•Technologies used: Java, Google Protobuf, JBoss Netty, JEE, Post GIS, Hibernate.

**MOOC - Massive Open Online Courses**

•Distributed MOOCs, which can connect & interact with each other in RESTful environment.

•Django as front-end web-stack, which can connect to different, Rest API services.

•Bottle micro-framework implemented with REST API & MongoDB (NoSQL) as back end database.

**Around Me – Android App**

•Developed Android App that provided details about any business, based on users location.

•Implemented Yelp API for searching different businesses & Facebook API for login authentication.

•Also Implemented Google map API & speech recognizer that converts speech to text for searching.

**Video Library Management System**

•Developed 3-tier web application for online videos renting that support 100K users & movies.

•Improved performance by connection pooling, prepared statement, caching & SQL tuning.

•Performed validations using JavaScript & used JMeter, JUnit for testing.

•Technologies Used: SOAP WS, HTML, CSS, JSP