# KUMAR UTSAV

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## EDUCATION

**North Carolina State University, Raleigh, NC**                               **December 2015**
Master of Computer Science                                                          GPA: 3.61

**University of Pune, India**                                                              **May 2012**
Bachelor of Engineering

## TECHNICAL SKILLS

**Languages**         Java, Ruby, C
**Web Technologies**  Javascript, AngularJS, NodeJS, ExpressJS, Redis, ElasticSearch, HTML, CSS, JavaScript, JQuery, Kendo, Firebase, Ionic
**Databases**         MongoDB, PostgreSQL, MySQL, Oracle Database 11g

## RELEVANT COURSEWORK

Design and Analysis of Algorithms, Object Oriented Design and Development, Advanced Data Structures, Software Engineering, Advanced Algorithms, Internet Protocols, DevOps, Network Security, Database Management Systems, Automated Software Engineering

## WORK EXPERIENCE

**Strayatech, India** - Java Developer                                          **Nov 2013 – June 2014**
- Managed CRUD operations API & Enumerations API development for KIRI Framework in an Agile environment.
- Researched and established rules for using Ebean ORM with Play framework.
- Worked on the development of a CRM application:
  - Designed the front end using AngularJS and Kendo framework and used KIRI for backend.
  - Provided multiplatform support by creating installable apps of the application for iOS, Android and Windows using PhoneGap.
- Recommended the change from excel based project management to agile based.

**Cognizant Technology Solutions, India -** Programmer Analyst Trainee          **Sept 2012 – April 2013**
- Developed an MVC architecture based Share Market Management System in Java.
- Designed this system using Abstract Factory and Factory Design Patterns with front-end in JSP and CSS.

## PROJECTS

**Tasks Master**
- Developed a portal for users to post and accept errands with chatting functionalities using AngularJS and Firebase.
- Implemented portal security with Firebase Auth and Firebase Security Rules.
- Currently upgrading with NodeJS and MongoDB for backend.

**Code Smell Hunter:**
- Wrote ruby scripts to fetch github data on 3 different projects using Github API.
- Documented and analyzed the collected data to estimate the project timeline and costs.
- Provided recommendation to the project group to improve the project development efficiency.

**Netflix Reverse Engineering**
- Modeled a recommendation system utilizing Lambda Architecture based on Netflix recommendation algorithm.

**OSS Contribution to Sahana Eden**
- Investigated the performance of HeadJS, LabJS, and RequireJS to speed up the JavaScript loads within Sahana Eden.
- Added Google Maps API v3 Maps Service and Directions Service to the platform.

**OSS Contribution to NPM**
- Created and published a node package to parse Markdown to HTML.

**Twitter Sentiment Analyzer**
- Implemented Love-Hate sentiment analysis with NodeJS on live twitters using Twitter Streaming API and nTwitter.
- Conceptualized graphical illustration of the stream employing CanvasJS.