

Heramb Uttarwar

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SUMMARY

Dedicated Software Engineer with **proficient algorithm designing** skills in application development, both technically focused and customer oriented. I am looking for a career that is both challenging and has rewards.

EDUCATION

Illinois Institute of Technology, Chicago, IL. (GPA: 3.44)

Expected May 2019

Master's in Computer Science

University of Pune, India. (GPA: 4.0)

June 2011 – June 2015

Bachelor of Engineering in Electronics & Telecommunication

PROFESSIONAL EXPERIENCE

Microsensor Labs, Chicago, IL, US.

Jul 2018 - Aug 2018

Job Title: - Software Engineer Intern

- Designed applications with Agile, Lean and/or Continuous Delivery approaches such as Continuous Integration, TDD.
- Developed an Android application which consists of Bluetooth Low Energy devices control module & upload data (IoT).
- Created a sound detection module which is interfaced in the application using Audio Signal Processing in **JAVA**.
- Co-ordinated with Web-Development team for deployment of website built using **DJANGO REST** on **AWS**.

Vodafone Shared Services India.

June 2016 – July 2017

Job Title: - Senior Executive - Application Operations

- Recognition for implementing '**Heartbeat**', which is a further upgrade to the monitoring application developed by HP in **Java, C** with software development life cycle (SDLC) which later reduced the risk of monetary loss.
- Developed **Unix** shell scripts to improvise various internal processes and mainly applications in billing and monitoring.
- Responsibilities also included accepting incident tickets, change requests and service requests, solving issues pertaining to Server, Database-Backup and Recovery, Operating system-CPU & Memory utilization according to their priority level.

L & T InfoTech, India.

Jan 2016 - Apr 2016

Job Title: - Graduate Engineer Trainee

- Completed international courses, "**ISTQB**" & "**CP-BAT**" which provided insights of manual and automation testing.
- Created automation scripts in **selenium** for testing web applications like online banking websites.
- Developed and tested "**Flight ticket reservation**" application with agile methodology using **JAVA** and **HP-QTP**.

PROJECTS

Doctor on Demand (Enterprise Web Application)- Illinois Tech, Chicago.

- Developed a website for booking appointments regarding medical concerns like Physical, Dental and Eyecare.
- Extended the website with features like Reviews, Payment, Trending, Product Recommendations, Deal Matches, Interface of Google Maps API, managerial features like charts for analysis, Updating and reviewing the appointment.
- Data regarding Appointments, Patient, Payment and Reviews is maintained on MySQL and MongoDB.

Android Projects (Mobile Application Development)- Illinois Tech, Chicago.

- Designed and developed Android apps - Converters, Multi-notes, Stocks, Know your Government and News Gateway.

Benchmarking the State-of-the-Art Open source IR libraries (Data Intensive Computing)- Illinois Tech, Chicago.

- Implemented **Lucene**, **Lucene++** and **Terrier 5.0** with a dedicated configuration in laptop and on remote instance at chameleoncloud.org. Also, we have implemented the Hadoop version of Terrier to compare with Elasticsearch using **AWS Elastic MapReduce** and **AWS Elasticsearch**.

Tera Sort (Cloud Computing)- Illinois Tech, Chicago.

- Sorted 80 GB of data using Hadoop Map-Reduce and Spark, achieved 68% efficiency compared to Linsort Benchmark.

E-Syllabi (Android Application)- Co-Curricular

- Students of Pune University can access syllabus, question papers and results with ease due to application interface.
- Recorded 3000+ downloads on [Google Play store](https://play.google.com/store/apps/details?id=com.huttarwar.esyllabi). Built on Android studio and the database is maintained with **MySQL**.

Android Controlled Spying Robot- JSPM's RSSER, India.

- Developed an android application for controlling a robot using **Bluetooth interface** which helped to spy objects and was mainly focused for military purposes. Android application is developed in "**Android studio**".
- Also, the robot has a wireless camera which records the video accordingly or can present the live video.

PROFESSIONAL SKILLS

- **Programming:** - Java, Spring, Python, SQL, R, C, C++, HTML5, CSS, JavaScript, Oracle, JSP, Servlets, MongoDB, Angular JS.
- **Systems and Software:** - Windows, Linux, Selenium, GIT, Android Studio, Hadoop, Spark, MATLAB, Eclipse, HP-QTP, HP-ALM/QC, NetBeans, IntelliJ, Autosys, R studio, AWS, Apache Tomcat.