

EDUCATION

Master of Science (MS), Computer Science

Fall 2017-2019

Viterbi School of Engineering, University of Southern California

Courses: Design of Algorithm, Foundation of AI.

Bachelor of Science (BS), Computer Science

Fall 2012-2016

University Visvesvaraya College of Engineering (UVCE), India.

TECHNICAL SKILLS

Programming: Python, Java, JSON, Mongo DB, Couch Base, SQL, Neo4j, PHP, HTML.

Frameworks: Django, Spring boot, Android, Slim.

Others: Agile Methodologies, Jenkins, CICD, Splunk, Linux, Windows, Mac, RabbitMQ, AWS, GIT, TFS.

WORK EXPERIENCE

Associate Software Developer, TESCO, Bangalore, India

July 2016 - July 2017

- Designed, developed and deployed reservation APIs with a **99.97%** uptime and 100 ms response time (100 TPS) using **JAVA**.
- Developed **automated test suites** for faster integration and regression testing of APIs.
- Optimized order/delivery models using **simplex and modified Knapsack algorithm**. Fined tuned with user feedback.
- Architected the logging system to capture critical data for monitoring purposes.
- Created Splunk monitoring dashboards to significantly reduce manual monitoring of prod systems.

Software Developer Intern, Innohabit Technologies, Bangalore, India

Jan 2015 - Jan 2016

- **Launched** a product for personalized advertising campaigns, funded by Innohabit Technologies.
- Designed and developed an **Android** app that broadcasts contextual offers using beacons, GPS and wifi stack.
- Developed and architected the database schema and restful APIs for entire platform.
- Implemented *JIRA Synchronization* feature, which allows migration and integration from JIRA to Woises (PM tool).

Software Developer Intern, Teritree Technologies, Bangalore, India

May 2014 - Aug 2015

- Designed and developed an automated mailing engine to send/track Ad campaigns and compute the open/click stats.
- Wrote social media crawlers to analyse the outreach of the product Ads through Facebook likes, comments, and shares.

PROJECTS

- **Multi-source Keyword Extraction and Graph Construction with Privacy Preservation**
 - Used WordNet and DBpedia to perform **domain analysis** of the given text and construct of context graph.
 - Developed an algorithm to **detect threshold score** for which the summarized context is correct.
- **Facebook Profile Similarity**
 - Wrote a crawler to get various profile information such as place of birth, current city, likes and interests of a person.
 - Formulated a method to calculate the similarity score among the profiles based on the above fields.
- Organized several boot camp sessions and tech talks as a **Mircosoft Student Partner** at UVCE.

PUBLICATIONS

- **"Multi-source Keyword Extraction and Graph Construction with Privacy Preservation"**, 5th International Conference on Information and Education Technology (ICIET) Tokyo, Japan Jan 2017.
- **"SWCTE: Semantic Weighted Context Tagging Engine for Privacy Preserving Data Mining"**, 3rd IEEE International Conference on Data Science and Engineering (ICDSE) Cochin India, Aug 2016.