

EDUCATION

University of Washington

Master of Science in Information Management; GPA: 3.80

Seattle, WA

Sep. 2017 – Jun. 2019

LNM Institute of Information Technology

Bachelor of Technology in Computer Science and Engineering

Jaipur, India

Jul. 2012 – Jun. 2016

EXPERIENCE

Evive Health

Software Engineer

Bangalore, India

June 2016 - June 2017

Weight Watcher: Built this service for tracking weight activities, notifying users with emails and SMSes using third-party APIs, calculate the incentives and perform periodic monitoring and statistical analysis.

IVR 2.0: Revamped the existing voice based interaction with the Nexmo Voice API for obtaining Health Information and wrapped the interaction with Cassandra and Elastic Search. [Received Appreciation for well-written and bug free code]

Care to Go: Implemented the service for 'Second Opinion' recommendation system for Evive's clients, currently used throughout the care suggestion process

Incremental ETL: Built an asynchronous ETL framework to perform incremental data load from various data vendors. This reduced loading times from 4 hours for full to under 28 minutes for incremental load.

Survey Response Aggregator: Created a state machine framework which was used to drive a survey. The state machine persisted the users states to enable resuming the survey later.

Multiple Small Enterprise Applications: Created several enterprise web applications, working with Java (8), Cassandra, Redis, Spring Boot, ElasticSearch, Git etc following agile processes including scrum and test-driven development

Korea Advanced Institute of Science and Technology

Research Intern

Daejeon, South Korea

May 2015 - Jul 2015

OncoSearch: Wrote and tested map reduce jobs to distribute the Cancer Gene Search Engine improving performance by 12 percent.

Korean Sign Language Translator: Wrote a pipeline to construct and collate corpus for Korean Sign Language Translation

University of Washington

Research and Teaching Assistant

Seattle, WA

Oct 2017 - Present

Student Researcher - Code and Cognition Lab: Working with Prof. Andrew J. Ko and PhD. Student Dastyni Loksa on formulating problem-solving behaviors through qualitative coding of self-regulation and journaled projects

Teaching Assistant - Intro to Data Science (INFO 370): Create Readings, Evaluate and Grade Code Submissions, Redesign Curriculum. Apart from this, we are working as a team to define the Data Science process in a set of 10 week modules with topics like decision theory, data cleaning, modelling, visualization and scaling.

PROJECTS

Database Principles: The course involves a project on data summarization, sampling, approximate query processing [In Progress]

SimPark: Designed a mobile application that helps users find parking through crowdsourcing

Coping Mechanisms Recommender: Analysis and Recommendation of coping mechanisms in dementia caregiving

DroidMic: Converts your android phone into microphone for use at conferences!

GRADUATE COURSEWORK

School of Computer Science: Database Principles, Human Computer Interaction

Information School: Analytic Methods, Ethics in Data Science

PROGRAMMING SKILLS

Languages: Java, R, Python, SQL

Technologies: Cassandra, Redis, AWS, JUnit, Maven, Git