

EDUCATION

Columbia University, New York, NY**M.S. Computer Science***Expected Dec '17*Courses: Analysis of Algorithms, Cloud Computing & Big Data, Advanced Software Engineering, Cognitive Computing**Northcap University**, Gurgaon, India**B.S. Computer Science** (with Distinction)*Jun '16*Select Courses: Data Structures & Algorithms, Data Mining, Software Engineering, Adv. Database Mgmt. Systems**TECHNICAL SKILLS**

Languages: Java, PHP, Python, JavaScript, HTML5, R

Libraries: Bootstrap 3, Phaser.JS, Canvas.JS, OpenCV

Databases: MySQL, PostgreSQL, Oracle SQL

Technologies: Heroku, AWS Cloud, Git, PhoneGap

WORK EXPERIENCE

Columbia University IT, New York, NY**Assistant Programmer***Oct '16 - Present*

- Part of Teaching & Learning Applications team for a project using Flask (python framework), JavaScript & SQL

Media Lab Asia, New Delhi, India**Software Engineer Intern - R&D***Summer '15*

- Built a focused search engine for research journals using R (Shiny) as a part of a larger medical analysis application
- Generated search results using string matching and collected usage data by tracking clicks and search box inputs
- Built *RgScholar*: Open Source API to integrate Google Scholar search functionality into R applications

Karmatech Mediaworks, New Delhi, India**Software Engineer Intern - Web Apps***Summer '14*

- Implemented media upload and thumbnail creation interface, social login APIs and form input validation using PHP
- Designed and implemented MySQL Stored Procedures

SELECT PROJECTS

Real Time Tweet Map (Java, PHP, JavaScript, AWS Elastic Search, Elastic Beanstalk)*Oct '16*

- Extracted tweets containing a keyword using Twitter API and stored them in AWS Elastic Search
- Rendered heat map in real time using tweet locations, deployed web app on Elastic Beanstalk

LionMart - Reseller Marketplace (Java, Play Framework, MySQL, JavaScript)*Sep '16 – Present*

- Implementing an advertisement platform for resellers using MVC architecture in Java Play Framework
- Using Travis-CI for continuous integration and JUnit for unit testing

Code Profiler (PHP, JavaScript, Canvas.JS, Bootstrap, PostgreSQL, Heroku)*Aug '16*

- Built a tool for Github code analysis using Github API v3 via CURL module; used Canvas.JS for visualization
- Deployed on Heroku cloud and database maintained using PostgreSQL

Move & Block (JavaScript, Phaser.JS, HTML5)*May - Jun '16*

- Conceptualized and built a two player board game using Phaser framework & JavaScript
- Ported to Android using PhoneGap

Voice Controlled Personal Assistant (Python, Google Speech API, Jasper, Raspberry Pi)*Aug '15 - May '16*

- Implemented through voice commands: face detection (OpenCV) and similarity calculation (using normalized cross-correlation), Wikipedia search, calculator, weather update, email reader and music player
- Won **Best Project Award** in *Hunt for India's Best Academic Project 2016*

Word2Number (Python)*Dec '15 - Present*

- Developed open-source python module to convert number-words to numeric digits
- Wrote unit testing script for contributors to the Github repository using python unit-test module

Statistical & Sentiment Analysis of Factors Affecting State-wise Tourism in India (Python)*Sep - Dec '15*

- Mined and cleaned data and tweets, both manually (using Python CSV module) & with the aid of Kimono API
- Performed sentiment analysis on tweets using NLTK (Natural Language Toolkit) in Python (Received A+ grade)