

Avaiyang Garg

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EDUCATION

New York University Sep 2017 - May 2019
Master of Science in Computer Science
GPA: 3.88/4.0
Courses: Prog. with Big Data, Design Analysis and Algorithms, Computer Networking, Network Security, Operating System, Machine Learning, Information Visualization, Cloud Computing.

M S Ramaiah Institute of Technology, Bengaluru, India Aug 2011 - Jun 2015
Bachelor of Engineering in Electronics & Communication Engineering
GPA: 8.83/10.0

TECHNICAL SKILLS

Proficient In: Python, C, HTML5, CSS3, JavaScript, Hadoop, Spark, MapReduce, Oracle, SQL, MongoDB, TCP/IP
Familiar with: AWS, Bootstrap, Flask, React, ES6, Google Cloud App Engine, MySQL, Bash Scripting, Java.
Softwares/Technologies: Docker, Git, Zeppelin, Jupyter, Tableau, Eclipse, GNS3, MATLAB, L^AT_EX, Wireshark, Adobe Photoshop.

EXPERIENCE

System Data & Research Intern, New York City Transit Sep 2018 - Present

- Developing scripts to extract data from the databases and calculate the travel time by buses between the routes.
- Imported, exported and manipulated large datasets in multi-million-row in the Oracle and MongoDB databases.

Web Assistant, New York University, Tandon Online Apr - Sept 2018

- Designed a new responsive & dynamic mobile friendly, and accessible website for the NYU Tandon Online.
- Created multi-step Request More Information forms with validation using JavaScript.
- Carried out updation, maintenance and backup of the website and helped in improving user experience.
- Developed an automatic mail system to send request and receive the recommendation letters for the applications.

Course Assistant, New York University, Computer Science Department Jan - May 2018

- Assisted professor with a graduate level Computer Networking course.
- Lead class discussions, answering student questions and evaluate student projects, tests and other assessments.

Technical Associate, Protechmind Solutions Private Limited, India Jul 2016 - Mar 2017

- Managed the API integration of offers linked with the applications and tested them.
- Kept a track of users downloading the mobile applications and verified fake conversions.
- Developed server-to-server integration and maintained quality assurance of the campaigns.

RELEVANT PROJECTS

Ill Pill (MLH - HackUMass) Oct 2018

- Aimed to educate people about the medication pill, in-case of lost prescription or torn off bottle label.
- Designed a user-friendly web application to capture the image of a pill and get the name and other relevant information.
- Extracted Imprint using AWS Rekognition, shape and color using OpenCV and Python, analyzed it with the NLM database.
- *Technologies:* AWS Rekognition, S3-Bucket, Google Maps API, Flask, OpenCV, Python, Spark, JavaScript, HTML5, CSS3.

Yummy Tummy (MLH - HackNY) Sept 2018

- Developed an application to identify an unknown cuisine and detect nearby restaurants serving this cuisine.
- Provided offline service to help the user get the recipe of a cuisine by sending the name of the dish using Twilio API.
- *Technologies:* Twilio API, Clarifai API, Google-cloud Platform, Eat-street API, Edamam-nutrition API, Java, Python, Javascript, SQL.

Movie Rating and Prediction Model Apr 2018

- Analyzed IMDB datasets to generate meaningful and interesting insights based on average rating.
- Created Movie Rating Model using Twitter Sentiment Analysis to rate the best movie of a particular year.
- Created Machine Learning Model to predict the rating of upcoming movies based on some particular features.
- *Technologies:* Twitter API, Text Blob, Google Cloud Engine, Jupyter, Spark, Spark-ML, Python, JavaScript, HTML5, CSS3.

Feed A Homeless (MLH - HackNYU) Mar 2018

- Aim to prevent food waste and ensuring that the homeless can find a meal easily.
- Designed an interactive web application to check-in and share the location of a homeless person.
- Implemented and stored the database queries and the location on the Google Cloud using the Google app engine.
- *Technologies:* Google-Cloud-SQL, Google-app-engine, API, SQL, Javascript, HTML5, PHP, CSS.

AWARDS AND HONORS

1. Participated and Demoed at **HackNYU - MLH, HackNY - MLH, Hackathon - Capegemini, HackUMass - MLH.** 2018
2. Secured **1st Position** in National Robotics Competition MSRTI, Bengaluru, India. 2012
3. Ranked in the **top 0.1%** (among Indian students) by scoring perfect 100 in Mathematics, Delhi, India. 2009