ANKIT VAGHELA

ankit.vaghela30@gmail.com | linkedin.com/in/ankit-vaghela | (+1) 706-461-4428 | github.com/ankit-vaghela30
Website & Blog: https://ankit-vaghela30.github.io/

EDUCATION

University of Georgia, Athens   **Expected Graduation: May 2019**
Master of Science in Computer Science   **Current GPA: 3.86/4.00**
Relevant Coursework: Data Science Practicum, Advanced Data Analytics, Algorithms, Distributed Computing Systems

Institute of Technology, Nirma University   **Graduated: May 2013**
Bachelor of Technology in Instrumentation and Control

TECHNICAL SKILLS

Programming Languages: Python, R, MATLAB, Java, Javascript, Node.JS, HTML, CSS
Big Data Technologies: Apache Spark, Hadoop, Hive, Pig
MVC frameworks: Struts, Hibernate, Spring, MEAN stack
Database technologies: MySQL, PostgreSQL, MongoDB, OracleDB
Data Science/Machine Learning Libraries: Tensorflow, Keras, Theano, NumPy, Scikit learn, Pandas, NLTK, Weka
Cloud Services: Google Cloud Platform, Amazon Web Services

ACADEMIC PROJECTS

- **American sign language detection (September/2018 - November/2018):** Created a real-time sign language detection platform which can be used by disabled people to communicate on video based chat platform.
- **Google Landmark Recognition Challenge (Kaggle Competition - April/2018 - May/2018):** Developed a CNN model that can predict landmark labels directly from image pixels and help people better understand and organize their photo collection.
- **Virtual mouse (November/2018):** Developed an application in java which allows user to control mouse pointer by hand gestures in front of a webcam. Supported mouse operations like right click, left click and hold.
- **Microsoft Malware Classification challenge (February/2018):** Created a Naive Bayes and Random forest classifiers to classify malware data. Preprocessed the malware Byte files by creating a NLP pipeline.
- **Documents Classification using Naive Bayes (January/2018):** Classified corpus of documents using Naive Bayes on spark framework without using any Machine learning library.

WORK EXPERIENCE

Graduate Research Assistant (MEAN stack developer) - Schmitz Lab   **09/2018 - present**
- Created a MEAN stack web application which teaches UGA's undergraduate biology students about genetics and inheritance through simulated experiments: https://heredity.genetics.uga.edu/

Software Engineer Intern – Verifacto Inc., Atlanta GA   **June/2018 - August/2018**
- Integrated insurance data from diverse sources of vehicle insurance providers by creating a pipeline in python which resulted in saving manual labour.

Senior Systems Engineer – Infosys Ltd, India   **10/2013 – 10/2016**
- Created a pipeline in Hadoop to filter customer data based on features like location, age etc. to show different type of reports in HBase. Used Pig, Hive and MapReduce for processing and warehousing.
- Designed a Java tool to convert excel based records to SQL Insert/Update queries which saved tremendous amount of time for the client account and I was given "Infosys Insta award" for this idea implementation.
- Worked on Java based reporting application to mask sensitive banking information such as TIN from non-privileged employees and provided functionality to unmask it for employees having the privilege.
- Created a Java based Web service for a Billing application which was used by different teams, eliminating the need for them to go through complex business processes to access the data.

ACHIEVEMENTS

- Won 3rd place in MLH (Major League Hacking) Hackathon organized at Georgia State University (March 2018).
- "American sign language detection" project was voted as best project in Advanced Data Analytics course.