

Abayomi Adekanmbi

<https://github.com/aabayomi>

Email : odunayo@rocketmail.com

Mobile : +1-832-738-5881

EDUCATION

- **Prairie View A and M University** Prairie view, TX
Master of Science in Computer Information System: GPA:3.92 *Jan. 2016 – May. 2018*
Project: Web Application to visualize and predict groundwater storage in Texas
- **Federal University of Technology Akure** Ondo,Nigeria
Bachelor of Technology in Physics *Aug. 2008 – April. 2014*
Thesis: Computation of Rain Attenuation using Gamma Drop Size Distribution Technique

ENGINEERING EXPERIENCE

- **Dell Technologies** Austin, TX
Software Architecture Intern *May. 2017- Aug. 2017*
 - **Benchmark Analytics:** Created a model for optimizing storage usage during application runtime based on usage pattern across SSD/NVMe/RAID.
 - **Automation:** Wrote windows shell script to collect application storage usage data at runtime.
- **Network Information Technology** Lagos,Nigeria
Network Software Engineering Intern *May 2012-Oct 2012*
 - **Network Analytics:** Performed effective redundancy checks on networks to increase optimization and efficiency.
 - **Network User Support:** Built and improved customer trust and support through offline network troubleshooting.

RESEARCH EXPERIENCE

- **Prairie View A and M University** Prairie View, TX
Software Engineer *June 2018 - Present*
 - **Tensorflow:** TensorFlow is an open source software library for numerical computation using data flow graphs; primarily used for training deep learning models.
 - **Leaflet:** Leaflet is a JavaScript library used to build web map using rasters based on a 2km by 2km grid cells of interpolated groundwater data for different geographical locations
 - **Dev Environment:** Analytics environment based on docker and Flask,deployed groundwater prediction model using explanatory multi linear regression model for different counties in Texas
- **Prairie View A and M University** Prairie View, TX
Graduate Research Assistant *Aug 2016 - may 2018*
 - **Web Application:** Web map built using Bootstrap,HTML,D3 for spatial visualization of groundwater data which included soil types and climatic data.
 - **Data Collection:** Designed Python scripts to automate data collection from web servers and pre-processed datasets to a consumable format.
 - **Data Warehousing:** Setup, schema design and management using PostgreSQL and PostGIS. Built a geo-spatial database for groundwater web map.
 - **Dashboards:** Built analytics report using insights from SQL Database and pre-processed CSV files.

LEADERSHIP EXPERIENCE

- **National Society of Black Engineers** Prairie View, TX
Student Mentor *June 2016 - August 2016*
 - **Teaching:** Instructed and Simplified Science,Technology, Engineering and Mathematics (STEM) concepts through practical learning for 3rd graders for easy understanding.
 - **Mentoring:** Mentored and Created interpersonal relationship with 3rd graders in order to encourage them to choose career path in STEM fields.

PROJECTS

- **Groundwater prediction** : Web Application built using HTML/CSS,JavaScript and deployed using the Flask framework.
- **Windows Application**: Built a windows form application using c sharp and mssql.
- **Text classification**: Calculated and Compared the Precision, Recall and F-score in classifying Spam and Ham using SVM Logistic Regression, Linear Regression and Neural Network Algorithms using Python
- **Sale Pro**: Android mobile application built using the Android Studio and Google Firebase.
- **Digit classification**: Classified digit handwritings from the MNIST datasets using Tensorflow.

RESEARCH CONFERENCES

- **A.Adekanmbi**: O.Olamofe, R. Ray, E. Risch and A. Fares, A Web-Based Tool to Monitor and Visualize Groundwater Storage in Texas,
- **A.Adekanmbi**: R. Ray,E. Risch and A. Fares, Effect of Land use Change and Drought on Groundwater Storage in Texas,Atlanta,GA 2017
- **A.Adekanmbi**: R. Ray,E. Risch and A. Fares, Effect of Recent Torrential Rain and Drought on Groundwater Storage in Texas,Prairie View,TX 2016

ACHIEVEMENTS

- **Prairie View A and M University**: Graduate Student Employee of the year, April 2018.
- **Dell Technologies**: Pending Patent on dynamic storage optimization for application performance,August 2017.
- **ARD Conference**: Third place poster presentation in renewable energy resources.April 2017
- **International Chemistry Olympiad**: Top 10% in the state among over 200 students in Nigeria,March 2008.
- **International Physics Olympiad**: Top 5% in the state among over 200 students in Nigeria, March 2008.

PROGRAMMING SKILLS

- **Languages**:Python, Javascript, C++, SQL, Java **Technologies**: AWS, Git, Tensorflow,WMI,Mongo DB