Ahsan Ul Islam

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SKILLS

PROGRAMMING

Python(NumPy,Pandas,Scikit-learn
Keras,Matplotlib,seaborn,PyTorch,
Flask)
SQL
Java, HTML, C and C++
MATLAB

MACHINE LEARNING

Deep Learning
Edge Detection
ML Algorithms
Time Series Forecasting
Image Feature Extraction
Image Classification
Natural Language Processing

SOFTWARE

Anaconda
Jupyter Notebook,Google Colab
Pycharm
Git and Github
MySQL and
Oracle
Eclipse
Code::Blocks

EDUCATION

MS, COMPUTING AND DATA SCIENCE

Sam Houston State University
Exp December 2023 | Huntsville, Tx
Thesis: Gender and Ethnicity Bias in Deep Learning
CGPA-3.87

BS, ELECTRICAL AND ELECTRONICS ENGINEERING

American Int. University-BD
Dec 2015 | Dhaka, Bangladesh
Graduated with Honors
CGPA-3.80

LINKS

Github:// **pgr_me**
LinkedIn:// **petergrayrasmussen**
Twitter:// **@pgr_me**

EXPERIENCE

METIS | Data Scientist

Apr 2016 – Jun 2016 | New York, NY

- Built **explanatory linear regression model** for an **NYC startup** to identify the types of people who are the most active microlenders
- Scraped, cleaned, and assimilated movie box office data as inputs to **box office revenue prediction model**
- **Visualized univariate and multivariate clusters** of water usage, price, income, and other factors in the US using Jenks and K-Means algorithms

HIP CONSULT | Analyst

Feb 2013 – Mar 2016 | Washington, DC

- Fiber Optic Infrastructure Web Mapping Application
  - Led product development of SAAS infrastructure mapping prototype, **InfraNav** and developed custom **maps** to market product's capabilities
  - Managed GIS team tasked with assimilating and mapping approximately 350,000 km of fiber optic infrastructure for 42 countries across Africa
- Mobile Financial Commerce (MFC) Market Analyses
  - Led quantitative analysis to develop value propositions for a multinational company seeking to enter MFC markets in several African markets
  - Built financial model to assess market potential and expected cash flows of a Tanzanian mobile payments startup
  - Authored market-sizing and forecasting section of a commercial **report** on characteristics, forecasts, and trends in MFC for several African markets

CHASE CONSTRUCTION LIMITED | Project Manager

Oct 2011 – Jul 2012 | Nairobi, Kenya

- Led research team in analyzing investments in renewable energy and ag technologies, from conducting fieldwork in Nairobi and Mogadishu to market research, engineering design, & financial evaluation of potential projects
- Drove business development by writing grant proposals to international organizations and delivering presentations to pitch to potential funders
- Co-organized first **TEDxMogadishu**, a series of talks given by Somalis on the "rebirth" of Mogadishu, including the resurgence of the private sector

ENGINEERS WITHOUT BORDERS | Program Manager

Jun 2010 – May 2011 | Amherst, MA

- Managed EWB-UMass Kenya program to improve water quality in western Kenya for a rural community of approximately 10,000

UNIVERSITY OF MASSACHUSETTS | Research Assistant

Aug 2009 – May 2011 | Amherst, MA

- Modeled long-term economic impacts of technical change in carbon capture (CC) given a greenhouse gas emissions policy
- Conducted sensitivity analyses of key performance drivers of CC costs to simulate the impact of technical change on CC cost

ENVIRONMENTAL RESOURCES MANAGEMENT | Staff Engineer

Jul 2006 – Aug 2009 | New Orleans, LA

- Managed environmental consulting projects across multiple sectors, including energy and manufacturing