

Saad Khan

✉ saadkhan321@gmail.com | ☎ 571.420.1920 | 📧 saadkhan321 | 🌐 saadakhan1 | 🌐 saadakhan321
🏠 4251 Parklawn Ave, Apt 204, Edina, MN 55435

TECHNICAL SKILLS

LANGUAGES

Python • R • MySQL • Basic Java
HTML, CSS & Javascript • \LaTeX

SOFTWARE

Ipython • R Studio • Weka • Eclipse
MS Office • Tableau • Alteryx

PYTHON PACKAGES

numpy • scikit-learn • pandas • ggplot
matplotlib • scipy • pymongo

R PACKAGES

ggplot2 • dplyr • ggally • ggpairs
reshape2 • mclust • nbclust • clvalid

DATABASES

XML • JSON • SQL

STATISTICS

std. deviation • variance • confidence level
hypothesis testing • significance tests (z-test, t-test, Mann-Whitney U, χ^2)

MACHINE LEARNING

supervised • unsupervised • natural language processing • feature selection & transformation • Performance Analysis

EDUCATION

GEORGIA INSTITUTE OF TECHNOLOGY

MS IN COMPUTER SCIENCE

Expected Dec 2017 | Online
Specialization: Machine Learning
College of Computing
Cum. GPA: N/A

UDACITY

NANODEGREE

Graduated August 2015 | Online
Specialization: Data Analyst

UNIVERSITY OF ENGINEERING & TECHNOLOGY

BS IN ELECTRICAL ENGINEERING

Graduated Mar 2007 | Lahore, Pakistan
Specialization: Computer Engineering
College of Engineering
Honor's List
Cum. Percentage: 78%

CERTIFICATIONS

Coursera - Data Science Specialization

Dec 2015 - present [4 Courses]

DataCamp - Data Science Track

Jun 2015 - present [3 Courses]

PROJECT EXPERIENCE

DATA VISUALIZATION USING D3 github visualization

August 2015 | Udacity - Nanodegree

The visualization is visitor comparison for the 5 most visited National Parks in the US and was created using javascript libraries (D3.js and dimple.js). It includes elements of interaction/animation for user to have better understanding of the data.

PREDICTIONS WITH SCIKIT LEARN github report

June 2015 | Udacity - Nanodegree

Predictor identifies which Enron employees were more likely to have committed fraud using machine learning (python) based on public Enron financial/email data.

DATA ANALYSIS WITH R github markdown

May 2015 | Udacity - Nanodegree

The project was to create Rmd and the html files for the multi-variate analysis performed on white and red wine data sets for Vinho Verde wines in Portugal.

WRANGLING USING MONGODB github report

March 2015 | Udacity - Nanodegree

The objective of the project was to assess the quality, accuracy and completeness of the OpenStreetMap data for Minneapolis, MN by fixing issues using a python script and analyzing it using MongoDB.

ANALYZING THE NYC SUBWAY github report

January 2015 | Udacity - Nanodegree

The project was to use hypothesis testing to analyze if NYC Subway Ridership changed when it rained using python (pandas, matplotlib and numpy)

WORK EXPERIENCE

TELECOM TECHNOLOGY SERVICES INC. | RF ENGINEER

July 2012 – Present | Minneapolis, MN

Learned key requirements for RF network design in the midwest region for AT&T. Responsibilities include VoLTE/LTE/UMTS design using ATOLL, MapInfo and internal database/tools such as CSS, FileNet, Quantum, RMAP, Alteryx and AutoForms.

T-FORCE INC. | LTE RF DESIGN ENGINEER

December 2010 – November 2011 | Plano, TX

Provided LTE RF design for AT&T markets using ATOLL RF design tool. Performed audits of UMTS design put forward by AT&T and determined conversion to LTE.

LCC INTERNATIONAL INC. | RF DESIGN ENGINEER

December 2010 – December 2010 | Herndon, VA

Conducted FDD-LTE tests using 2.5 GHz LTE spectrum. Performed mobility tests for KPIs such as RSSI, RSRP, SINR/CINR, MCS & throughput, using Accuver XCAL.

ABACUS CONSULTING | WiMAX RF PLANNING ENGINEER

February 2008 – December 2009 | Lahore, Pakistan

Planned WiMAX network using Motorola DAPs to meet customer requirements. Experience of analysis using ATDI for coverage, interference & modulation.

ERICSSON PAKISTAN (PVT) LTD. | SERVICES ENGINEER

March 2007 – February 2008 | Lahore, Pakistan

Generated reports for drive tests including recommendations such as azimuth/tilt alteration. Created link budgets and interference analysis on TEMS Link Planner keeping in view the required important link design parameters.