

Ismail Khan

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Davenport, IA

EXPERIENCE

Quality Engineer

Mar 2018 – Present
Davenport, IA

John Deere Davenport Works

- Led extensive risk-based assessments & qualifications of new suppliers across the Enterprise.
- Championed Six Sigma project using data analysis by examining past two years of supplier performance leading to 95% reduction in cost of poor quality annually.
- Utilized Tableau for data visualization to identify critical suppliers in order to develop mitigation strategies to protect our customers.
- Repurposed existing tools to streamline how suppliers restarted production post Global shutdowns.
- Coordinated with multiple tactical quality teams to minimize factory disruptions.
- Facilitated crucial conversations between Deere & supply base to achieve quick problem resolution.
- Listened to supplier feedback to improve the Deere design process for current & future programs.
- Developed heat maps for high severity defects to best allocate resources in resolving operator errors.

Data Science Specialization

Aug 2020 – Present

Coursera for John Deere

IBM Capstone Project to predict new restaurant success in Dallas Metro Area:

- Performed k-means clustering to use Foursquare API for segmenting & clustering neighborhoods in Dallas.
- Scraped websites to parse HTML code using Python BeautifulSoup package to convert datasets in pandas.
- Programmed one-hot encoding to illustrate counts of venue categories per neighborhood.
- Conducted data regression analyses to predict compliance with property maintenance fines.
- Developed REGEX patterns for parsing medical records to extract date-time information from patient datasets.
- Analyzed 'free-form text' using NLP in Python to tag language constructs onto text & compare text classification for machine learning models.

PROFESSIONAL CERTIFICATIONS

Advanced Data Science with IBM

IBM Skills Network (Jan 2021)

Data Visualization with Tableau

U.C. Davis (Dec 2020)

Applied Data Science with Python

University of Michigan (Nov 2020)

IBM Data Science Specialization

IBM Skills Network (Oct 2020)

EDUCATION

University of Illinois Urbana-Champaign

M.S. Mechanical Engineering (2016-2017)

Focus: Advanced Statistics

Thermal Sciences

Linear Algebra

Business Management for Engineers

B.S. Mechanical Engineering (2014 -2016)

STRENGTHS

Python

SQL

Apache Spark

Jupyter

Colab

Scikit-Learn

IBM DB2

Oracle

REST API

REGEX

NLP

GitHub

C++

Tableau | Matplotlib | Regression Analysis | Root Cause Analysis | Project Management | Product Development

LANGUAGES

English

● ● ● ● ●

Urdu

● ● ● ● ●

Arabic

● ● ● ● ●

INTERESTS

CrossFit | Cricket | Cooking | Hiking