Nikhil Narayane

Prospective data scientist who strives to pose and answer questions with quantitative driven insights

✉ nikhil.narayane99@gmail.com

☎ 5044934983

in LinkedIn

○ GitHub

TECHNICAL SKILLS

Expertise:
Statistical Analysis, Text analysis, Machine Learning, Data Mining, Database Design Data Preprocessing, ETL, Predictive Modeling

Machine Learning Algorithms:
Linear & Logistic Regression, Clustering, Association Analysis,

Analytical Tools:
Tableau, Power BI, MS Excel

NLP Tools:
LDA, Word2Vec, Doc2Vec

Programming:
Gurobi, R, Python (Keras, NumPy, pandas, matplotlib, scikit-learn, beautifulsoup)

Database: MySQL, MongoDB, AWS ,Hadoop

Technical Certification:
Automate the monotonous operations with Python, Statistical Process Control

LANGUAGES

English
Full Professional Proficiency

Hindi
Native or Bilingual Proficiency

Marathi
Native or Bilingual Proficiency

EDUCATION

Ph.D., Business Analytics & Statistics
The University of Tennessee at Knoxville
08/2021 - Present,   ***3.86/4***

M.S. in Business Analytics
The University of Texas at Dallas
08/2019 - 08/2021   ***3.83/4***

GRADUATE PROJECTS

Text Analysis: Analyze BGT job postings data   (08/2021 - 12/2021)
- Developed and implemented several Natural language processing models such as LDA, Sentiment Analysis, Word2Vec, Doc2Vec
- Analyzed BGT job postings data using Word2vec, Doc2Vec and several other libraries such as regex, pandas, numpy and submitted a short research paper (under review)
- Created a pipeline for analysis of textual data from preprocessing to final output using OOPS

Econometrics: Replication of research papers using STATA   (08/2020 - 12/2021)
- Replicated the following research papers in my own words including statistical analysis
- Replication of 'Replication of "Experimental Estimates of Education Production Function" by Allan Krueger, 'Sticking with your vote'
- Hands on statistical methods such as Hypothesis testing, t-test, p values, chi square test
- Hands on several econometric methods such as Difference in Difference method, OLS, IV

Frontline Analytic Excel Solver   (08/2020 - 12/2020)
- Linear Programming, Time Series Analysis and Queuing Theory
- Optimized the constraints and found optimal solution for the linear programming objective using Standard LP/Quadratic engine and Non-Linear GRG Engine
- Formulated and developed different time series models such as Holt Winter model, Seasonal affect plus additive effect
- Programmed model for M/M/3 queue with finite length, infinite length and M/G/M queue

Python Project: Predictive Analysis on Health Survey Data of F&B   (01/2020 - 05/2020)
- Cleaned the dataset which originally had 1300 columns and made new smaller tables with data relevant to the heading
- Utilized data visualization tools to make clear and concise visual representations of data
- Performed descriptive statistics on the data
- Performed Linear, Logit and Multinomial Regression to study the behavior of snacks, eating habits on the purchasing tendency of the customer

SQL Project: Database Design and Query development   (08/2019 - 12/2019)
- Created 3nf database design using good practices for design and normalization using MySQL Workbench • Imported the data into the normalized tables using MySQL workbench
- Ran queries against the database using MySQL and MongoDB and compared the results

R Project: Predictive analysis of FIFA players' salaries   (08/2019 - 12/2019)
- Carried out the cleaning, tidying and plotting of the data using RStudio
- Prepared scripts to ensure proper data access, manipulation and reporting functions
- Used random forests to predict the wages of FIFA players

TEACHING ASSISTANT

Haslam School of Business
The University of Tennessee, Knoxville
08/2021 - Present,
Key Tasks
- Performed all assistant teaching duties including mentoring, lecturing, researching and clerical help in using using R, Python, JMP, Gurobi
- Mentored 15+ students on Qualtrics survey
- Held doubt solving sessions for STAT 201 Intro to Statistics, BAS 320 Regression Modelling, STAT 251 Statistics for Managers
- Graded papers and ensured academic integrity