

Adil Naqvi

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github.com/notadilnaqvi

A programming enthusiast looking for excuses to write more code.

Education

Bachelor of Mechanical Engineering	Islamabad, Pakistan
National University of Sciences and Technology	2015 – 2019
Minor in Computer Science	Islamabad, Pakistan
National University of Sciences and Technology	2018 – 2019
Higher Secondary School Education	Lahore, Pakistan
Government College University	2013 – 2015

Test Scores

IELTS Academic	Overall band: 7.5
GRE General	Quantitative: 162 Verbal: 157 Analytical Writing: 4.0

Certifications

Applied Data Science Specialization – by IBM through Coursera ([Certificate](#))
Python for Everybody Specialization – by University of Michigan through Coursera ([Certificate](#))
Microsoft Office Specialist Certification – earned at MOS NUST ([Badge](#))

Skills

Competent in:

- Artificial intelligence
 - Deep learning
 - Genetic algorithms
 - Tenserflow
- Data science
 - MySQL
 - Pandas
 - Matplotlib
- Web development
 - Node
 - React
 - MongoDB
- Other technologies
 - MATLAB
 - SolidWorks
 - L^AT_EX

Familiar with:

- Data acquisition (LabView)
- Static stress analysis (Ansys)
- Circuit analysis (Proteus)

Projects

UAV landing strut design ([Thesis](#))

Designed an oleo strut for a UAV. Evaluated crash-worthiness using dynamic analysis on Ansys and achieved an FoS of 1.4. Fabricated a scaled down model

Elo prediction ([Demo](#))

Approximated FIDE's chess Elo formula using a deep neural network modeled in Tensorflow. Achieved minimum MSE loss of 0.02

Color classifier

Crowd-sourced and preprocessed data to train a Scikit-learn neural network to classify colors based on their RGB value. Achieved 92% accuracy

Pakistani food classifier

Used AutoML Vision by Google Cloud Platform to train a model to classify Pakistani food into 5 classes. Achieved 95% precision with a confidence threshold of 0.6

Traveling salesman problem

Used genetic algorithm with mutation in MATLAB to solve the classic TSP. Achieved optimal path for a 20-city network within 15s

Experience

Mari Petroleum Company Limited

Intern | Operations Department | 8 weeks

Documented daily oil rig statistics and made "End of Well" report

NUST Society of Mechanical Engineers

Director | Graphics Department | 1 year

Supervised the Graphics & Media team to produce graphics and illustrations for numerous events

Community service

Awareness drive

Conducted "Water Conservation Awareness Drive" at Army Public School, Islamabad amidst the Pakistan water crisis of 2019

Wall of Kindness

Collected, cleaned, and distributed 100+ items of clothing to Wall of Kindness in Islamabad as a requirement fulfillment for Community Service course

Blood donation drive

Conducted "Blood Donation Drive 2017" at NUST as a member of NUST Community Service Club

More to me

Chess

Graphics designing

Casual reading

Recreational programming