

ELTAHIR E. GOTAR

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LINKEDIN: [WWW.LINKEDIN.COM/IN/ELTAHIRGOTAR/](https://www.linkedin.com/in/eltahirgotar/) | GITHUB: [HTTPS://GITHUB.COM/GOTAR1](https://github.com/gotar1)

PORTFOLIO: [HTTPS://GOTAR1.GITHUB.IO](https://gotar1.github.io)

A highly independent and dedicated Data Analyst with a background in chemical engineering. Trained at University of Texas San Antonio Data Analytics and Visualization Bootcamp where I earned a certificate. Insatiable intellectual curiosity and ability to work with large sets of structured, semi-structured, and raw data. Enjoys leveraging background and analytical skills sets to support detailed and efficient analysis. Team oriented individual with strengths in analytical problem solving and collaborating across diverse groups. Bilingual (English/Arabic) with excellent written and verbal communication skills.

EDUCATION

Certificate, Data Analytics (Dec 2020)

University of Texas at San Antonio, San Antonio, TX, USA.

A 24-week intensive hands-on program focused on gaining technical programming skills in Excel, VBA, Python, R, JavaScript, SQL Databases, Tableau, Big Data, Machine Learning, data architecture and processing.

B.S. in Chemical Engineering/Fuel Science Option

The Pennsylvania State University, University Park, PA, USA.

TECHNICAL SKILLS

Languages: Python, JavaScript, HTML5, SQL, NoSQL, Visual Basic, R.

Applications: MongoDB, MySQL, PostgreSQL, GIT, Command Line, Flask, APIs, Tableau, GitHub.

Tools: Statistical Analysis, Databasing, Data Manipulation, Data Visualization, Data Cleaning, Pandas, Jupyter Notebook, Excel, Seaborn, Scikit learn, TensorFlow.

PROJECTS

Machine Learning Project | https://github.com/gotar1/are_you_hot | <https://are-you-hot.onrender.com/>

- A model was built to predict if a person is hot or not. Model is based on physical characteristics of celebrities from IMDb "100 Most Beautiful People on the Planet!" and "Ugly Celebrities" lists.
- Role: Major contributor. Built the machine learning model and flask app, created graphs for visuals.
- Tools: Scikit learn, Python, Jupyter Notebook, Flask, HTML5, JS, CSS, Pandas, SQLite Database, SQLAlchemy, NumPy, Pickle, Matplotlib, XGBoost gradient booster.

Dashboard Data Visualization | <https://github.com/gotar1/COVID-19-Dashboard> | <https://covid-19-dashboard-jsrk.onrender.com>

Built an interactive dashboard showing monthly Covid-19 infection, number of death and recovery rates for all U.S states and territories based on government data from CDC webpage.

- Role: Major contributor. Built the interactive dashboard, database and flask app.
- Tools: Python, Jupyter Notebook, Flask, HTML5, JS, CSS, Pandas, SQLite Database, SQLAlchemy, NumPy, Matplotlib, Datetime.

Data Engineering Sqlalchemy | <https://github.com/gotar1/Data-Engineering-Sqlalchemy>

- The purpose of this project was to perform Python database ETL and CRUD operations on "The Lord of The Rings" movie sequels. Data sets extracted from Kaggle website.
- Role: Major contributor. Built Jupyter Notebook for data analysis and created the database.

- Tools: Python, Jupyter Notebook, Pandas, SQLAlchemy, NumPy, PostgreSQL, PrimaryKeys, ForeignKeys.

WORK EXPERIENCE

Self Employed

2019-Now

- Doing different gigs.

CNA/Care Giver

2013 - 2019

- Providing full time end of life care for my chronically ill father.

Wireline Trainee

Nov 2014 – Apr 2016

CNLC (China National Logging Corporation). Khartoum, Sudan

- Supervise Operation crews in preparation for the job and calibration of equipment.
- Promote team environment while providing services in the workshop and at jobs site.
- Build good customer relations and provide records of all jobs to customer representatives.
- Ensuring compliance with all regulations applicable to Wireline explosives operations.

Chemical Engineer/Metallurgist Intern

Summer 2008

Nucor Steel, Hickman Division, Armored, AR, U.S.A

- Worked in the melt shop of a steel mill as a chemical engineer/Metallurgist.
- Data analysis for an Electric Arc Furnace (EAF).
- Cost cutting measures and optimizations projects.

Certified Nurse Assistant (CNA)

Mar 1999 – July 2012

Nursing Care Services, Lansdale, PA, U.S.A

- Care for residents living in nursing homes and community-based residence. The position requires full compliance with HIPAA and other state and federal regulations concerning personal and medical records privacy.

PROFESSIONAL ASSOCIATIONS

- Society of Chemical Engineers (ALChE) U.S.A: Active Member.
- National Society of Black Engineers (NSBE) U.S.A: Active Member.
- National Organization for the Professional Advancement of Black Chemists and Chemical Engineers (NOBCChE) U.S.A: Active Member.

PROFESSIONAL QUALIFICATIONS & CERTIFICATIONS

NEBOSH International general certificate in occupational health and safety.

NEBOSH, Leicester City, UK.

First Aid/CPR (Red Cross).

OSHA Industrial Safety Training: (U.S.A).

QHSE matrix: (CNLC QHSE department).