

Mahmoud Shihab

SOFTWARE ENGINEER

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PROFILE

Software engineer with a data-driven and analytical mindset. I take on problems from start to finish with a focus on finding practical solutions. I enjoy digging into complex issues to create strong, new ideas that work well. With my background in data science and analysis, I pay close attention to details, making sure my work leads to valuable insights and real results.

SKILLS

Programming Languages:

Python (PCEP 30-02 Certified),
JavaScript

Software Development:

HTML, CSS, Sass, ReactJS, Vite,
Document Object Model (DOM),
NodeJS, ExpressJS, REST APIs, User
Authentication, OAuth

Data Science:

Pandas, Numpy, Matplotlib, Seaborn,
Scikit-Learn, Dataiku

Databases:

PostgreSQL, MySQL, SQLServer,
SQLite

Softwares

Regular Expressions, Version Control
(Git / GitHub), Agile Development,
Postman, Heroku, Jest, Jira, Microsoft
Excel, Power Query, VBA, Microsoft
PowerPoint, Microsoft Word

PROJECTS

Lead Coder | [Dragon Drop](#)

SEP 2024, BRAINSTATION CAPSTONE

- A showcase project using ReactJS, SASS, NodeJS, ExpressJS, and MongoDB to a full stack app in 1 week.

Lead Backend Coder | [BrainStation Industry Hackathon Project](#)

SEP 2024, BRAINSTATION HACKATHON

- Using ReactJS, SASS, NodeJS, ExpressJS for a full stack app in 24 hours.

EDUCATION

BrainStation | Diploma, Software Engineering

JUL 2024 - PRESENT, SASKATOON, SK, CANADA

Georgia Institute of Technology | Masters in Computer Science

AUG 2021 - PRESENT, ATLANTA, GA, USA

Nile University | Professional Diploma in Big Data and Data Science

OCT 2020 - FEB 2021, CAIRO, EGYPT

The American University in Cairo | Bachelors of Science in Petroleum Engineering, Minor in Computer Science

SEP 2008 - DEC 2013, CAIRO, EGYPT

EXPERIENCE

Data Scientist | SLB

DEC 2021 - JUN 2024, CAIRO, EGYPT

- Managing data science projects for SLB customers focused on efficiency and time saving. Time Saved: ~ 60%.
- Consulting with 10+ customers to create and scope optimal tailored machine learning solution.
- Deploying tailor-made machine learning solution for the customers of SLB, increasing revenue by 10%.

Resident Engineer at Vodafone | BARQ Systems

DEC 2020 - NOV 2021, CAIRO, EGYPT

- Engineered a data management and automation solutions to meet customer requests. Time Saved: ~ 60%.
- Built, designed, and optimized a database solution for KPI tracking. Time Saved: ~50%
- Coordinated technical training to five customers how to maintain and use tailored solution.

Reservoir Engineer / Technical Data Manager | Royal Dutch Shell

JAN 2016 - NOV 2020, CAIRO, EGYPT

- Consolidated and managed data into central database and master reference to keep data interruption to a minimal.
- Collaborated with stakeholders and end users to define project parameters and objectives to speed up solution creation.