Ahmed Hamodien

CS student at Alexandria National University

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Alexandria, EGY

Motivated Computer Science student and aspiring Business AI Engineer with strong foundations in data analysis, BI solutions, and cloud technologies. Skilled in extracting insights from data, designing dashboards, and leveraging tools like Python, SQL, and AWS to support data-driven decision-making. Eager to contribute analytical and technical expertise to deliver impactful BI solutions.

Education

bachelor of Computer Science at Alexandria National University, Alexandria, EGY

September 2024 - June 2028

Grade: 3.80

Data Structures, Databases, Machine Learning, Data Analysis, Business Intelligence, Cloud Computing, Critical Thinking, Problem Solving, Python, R

Skills

BI Tools: Power BI, Tableau, AWS QuickSight

Databases: PostgreSQL, MySQL

Programming & Data: Python (Pandas, NumPy, Matplotlib, Seaborn), R

Cloud & Big Data: AWS (EC2, S3, RDS, Lambda, Athena)

Data Concepts: ETL, Data Warehousing, Data Modeling, KPI Dashboards

Soft: Problem-Solving & Critical Thinking, Communication & Data Storytelling, Collaboration in Cross-Functional Teams, Time Management & Adaptability

python: making apps with python and using OOP

Projects

Transport Administration System – PostgreSQL
Designed and implemented a database system for managing drivers and vehicles.

Enabled officers to check, update, and report issues such as stolen cars.

Face Mask Detection (Deep Learning, Python, TensorFlow, ResNet50) • ↗
Built a model achieving high accuracy in detecting mask compliance.

AWS EC2 & RDS Deployment Project
Deployed a website using EC2, RDS, and security groups.

Gained experience in scalable architecture and cloud cost optimization.

Languages

English - Fluent

Arabic - Native

Certificates

AWS Certified Cloud Practitioner (CLF-C02) from AWS Certified Cloud Practitioner (CLF-C02)

September 2025 • ↗

alidated understanding of cloud fundamentals, including AWS global infrastructure, core services (EC2, S3, RDS, IAM), billing, pricing models, and cloud security best practices. Demonstrated ability to apply cloud knowledge to real-world business use cases.

BUS250: Introduction to Business Intelligence and Analytics from Saylor Academy

September 2025

Developed understanding of BI concepts, data warehousing, ETL processes, and KPI tracking. Learned how to transform raw data into actionable insights through dashboards, reports, and business performance analysis.

Python for Data Science and Machine Learning from Udemy

August 2025

Gained practical experience in data manipulation, visualization, and modeling using Python libraries such as NumPy, Pandas, Matplotlib, Seaborn, and Scikit-learn. Covered supervised/ unsupervised learning, preprocessing, and applied ML pipelines.

McKinsey.org Forward Program from McKinsey & Company

July 2025 • ↗

Completed a global learning program focusing on problem-solving, data-driven decision-making, and digital skills. Gained exposure to real-world case studies, business analysis, and structured communication techniques used by consultants.

Python Essentials 1 from Cisco Networking Academy

October 2025 • ↗

Earned the Python Essentials 1 from Cisco Networking Academy — demonstrating a solid foundation in Python programming and problem-solving.