

# Ahmed Mohammed Radwan

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Eligible to part time work in Canada | Open to Remote Roles

## Summary

Dynamic Data Analyst and Computational Science Researcher with 4+ years of experience in data analytics, visualization, and machine learning. PMP and RMP certified, currently pursuing a PhD in Computational Science and Engineering at McMaster University in Ontario, Canada. Expert in Python, SQL, Power BI, and Tableau, with a strong background in AI, Deep Learning, and Embedded Systems. Adept at transforming complex datasets into actionable insights that drive strategic business decisions. Open to remote and onsite opportunities.

## Professional Experience

### Power BI & Excel Instructor — Professional Path Center, Riyadh, Saudi Arabia (Dec 2024 – Present)

- Delivered 12+ corporate training programs to over 600 Saudi business professionals.
- Designed interactive learning materials, real case studies, and projects.
- Enhanced participants' data analytics and reporting skills.
- Received excellent evaluations for content depth and teaching style.

### Data Analyst Specialist Track Instructor — Digital Egypt Pioneers (Apr 2024 – Present)

- Led training sessions on Python, R, SQL, Tableau, and Data Analysis.
- Developed industry-based case studies.
- Mentored capstone projects in data analytics and prompt engineering.

### Teaching Assistant — Mansoura University, Faculty of Engineering (2017 – Present)

- Taught courses in Embedded Systems, Machine Learning, and Data Analysis.
- Supervised graduation projects and research work.

## Selected Projects

- Algomaih Car Rental Corporation (Saudi Arabia) — Excel operations dashboard for rental performance and cost tracking.
- Ministry of Education (Saudi Arabia) – Teachers Affairs Department — Power BI HR dashboard for staffing, shortages/surpluses, and workload analysis.
- Bank AlJazeera (Saudi Arabia) — Power BI survey analysis dashboard for customer satisfaction and service quality.
- Gulf Engineering House (Saudi Arabia) — End to end HR Power BI report (recruitment, turnover, attendance, performance KPIs).
- Primary Care & Health Development Program – Khamis Mushait, KSA — Healthcare center dashboard tracking visits, vaccinations, and screenings.
- Advanced Electronics Company (AEC), Saudi Arabia — Incident & Service Request Register dashboard for ITSM visibility and SLA tracking.
- King Saud University (Saudi Arabia) — Risk Management dashboard for project and operational risks (likelihood/impact heatmaps, mitigation tracking).
- Saudi Red Crescent – Makkah Region — Ambulance maintenance dashboard (fleet readiness, MTTR/MTBF, work orders).
- Alfawzan Educational Academy (Saudi Arabia) — Academic/operations dashboard (enrollment, attendance, outcomes).
- Teacher Staffing Dashboard – Ministry of Education (HR) — Shortages/surpluses by subject, stage, and region.
- HR Analytics Dashboard – Dar Al Khaleej Engineering Company — Workforce KPIs for turnover, absenteeism, and hiring.

Medical Waste Management System – Ministry of Health, Egypt — Flutter based tracking (Project Manager).

- Fraud Detection Model — Random Forest/XGBoost/NNs deployed with Flask API.
- Image Classification System — X ray CNN classifier (ResNet/EfficientNet) deployed via Flask API.

## Technical Skills

Power BI (ETL, DAX, Data Modeling, Visualization); SQL (Wrangling, DML, Statistical Analysis); Python (Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn); Tableau (Dashboard Design, Interactive Analytics); R (Statistical Modeling, Advanced Analysis)

## Certifications

- PMP (Project Management Professional) – Egyptian Engineering Syndicate (Jul 2025)
- RMP (Risk Management Professional) – Egyptian Engineering Syndicate (Jul 2025)
- Generative AI Professional Training – DEPI, MCIT (2024)
- Training of Trainers (ToT) – National Center for Training & Leadership (2024)
- Embedded Systems Training – ITI (2021)
- MATLAB Educator Workshop – MathWorks (2024)
- IELTS – British Council (Score: 6)

## Education

- PhD in Computational Science & Engineering – McMaster University, Ontario, Canada (2025–Present)
- M.Sc. in Computers & Systems Engineering – Mansoura University (2021–2024)
- Diploma in Artificial Intelligence – University of Central Lancashire, UK (2020)
- B.Sc. in Mechatronics Engineering – Mansoura University (2017) – GPA: 3.93

## Professional Memberships

- Elected Member – Egyptian Syndicate of Engineers (Mar 2023 – Present)
- Board Member – Mansoura University Employees Club (Nov 2023 – Present)