

AHMED MOHAMED FATHI AHMED ABDELRAHIM

Pharmacist | Pharmaceutical Chemistry Researcher | Data Analyst | AI & Automation Builder
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PROFESSIONAL SUMMARY

Pharmacist and MSc researcher in Pharmaceutical Chemistry with 5+ years of healthcare, pharmacy operations, medical support, customer service, research, and data-focused experience. Background spans patient counseling, drug information, medicinal and organic chemistry, heterocyclic synthesis, pyrrolopyrimidine research, NMR interpretation, scientific literature review, data analysis, dashboard development, AI-assisted automation, and digital product building. Proficient in Excel, Power Query, Power BI, SQL, Python, SPSS, n8n, Supabase, GitHub, Vercel, and research workflows supporting pharmaceutical and healthcare decision-making.

CORE SKILLS

Pharmacy & Healthcare: Patient counseling, prescription support, OTC and chronic-care guidance, drug interactions, adverse-effect awareness, telepharmacy, CRM documentation, complaint handling, pharmacy operations, KPI tracking

Pharmaceutical Research: Medicinal chemistry, pharmaceutical chemistry, organic synthesis, heterocyclic chemistry, pyrrole and pyrrolopyrimidine derivatives, reaction optimization, TLC, purification, melting point, ¹H NMR, ¹³C NMR, D₂O exchange, SAR, scientific literature review

Data & Analytics: Microsoft Excel, PivotTables, VLOOKUP/XLOOKUP, Power Query, Power BI, SQL/MySQL, Python, Pandas, NumPy, SPSS, EViews, Stata, BigQuery basics, Google Sheets, Looker Studio, descriptive statistics, t-test, ANOVA, chi-square

AI, Automation & Digital Tools: n8n, AI workflow design, prompt engineering, API-based automation, research pipelines, GitHub, Vercel, Supabase, Power Platform, AppSheet/Glide concepts, technical documentation, AI-assisted software development

Drug Design & Computational Skills: Computer-aided drug design fundamentals, molecular docking concepts, RDKit basics, molecular property analysis, structure-property relationships, literature mining.

PROFESSIONAL EXPERIENCE

Hospital Pharmacist | National Hepatology & Tropical Medicine Research Institute, Cairo | Jun 2021 - Present

- Dispense medications and provide patient counseling, drug-information support, medication-use guidance, and pharmacy services in a hospital environment.
- Support prescription review, drug-interaction awareness, documentation, medication safety, and coordination with healthcare teams while following institutional pharmacy procedures.

Pharmaceutical Advisor / Medical Support Specialist | Teleperformance Egypt - Nahdi Pharmacy Account | Jul 2020 - Jan 2026

- Handled pharmacy and healthcare inquiries for Saudi customers, provided medication and product guidance within role scope, and resolved service issues through CRM systems.
- Worked in KPI-driven operations covering customer experience, complaint handling, telesales/service support, documentation, quality monitoring, and cross-functional communication.

Remote Pharmacy Sales & Customer Support | Kuwait Pharmacy Business | Jul 2026 - Sep 2026

- Managed customer orders, product inquiries, pharmacy sales follow-up, and conversion-focused communication through social media and WhatsApp channels.

CRM Pharmacist | Andalusia Group for Medical Services - KSA | Short-term role

- Supported pharmacy and customer-service workflows through CRM-based communication, follow-up, and healthcare service coordination.

Community / Call Center Pharmacist | Nawawy Pharmacies, Ezz Eldeen Pharmacies, Dawaei Pharmacies | Earlier roles

- Developed experience in community pharmacy, telesales, prescription handling, customer communication, medication-related support, and pharmacy service delivery.

EDUCATION & RESEARCH

MSc in Pharmaceutical Chemistry | Cairo University, Faculty of Pharmacy | Ongoing

- Thesis: Design and synthesis of some pyrrolopyrimidine derivatives with potential anticancer activity.
- Research focus: heterocyclic synthesis, pyrrolopyrimidine chemistry, medicinal chemistry, reaction optimization, purification and work-up, spectral interpretation, literature review, anticancer drug discovery, SAR, and early-stage CADD.

SELECTED RESEARCH EXPERIENCE

- Worked on synthesis and characterization of pyrrole and pyrrolopyrimidine intermediates, including routes toward 4-chloro-5,6-dimethyl-7H-pyrrolo[2,3-d]pyrimidine and related anticancer-oriented derivatives.
- Applied TLC, crystallization, reaction work-up optimization, melting-point assessment, and ¹H NMR / ¹³C NMR / D₂O-exchange interpretation to support compound identification and purity assessment.
- Evaluated reaction conditions, reagent/base/solvent selection, lactam-lactim behavior, structure-property relationships, and literature-guided synthetic planning.

SELECTED PROJECTS & DIGITAL PRODUCTS

- **PharmaData Hub:** Arabic pharmacy analytics platform concept covering pharmacy sales, margin and markup, reorder point, ABC analysis, inventory turnover, expiry and stock dashboards, and Excel/Power BI education.
- **CADD Academy:** Digital learning platform focused on molecular docking, molecular dynamics, computer-aided drug design, medicinal chemistry, and research skill development.
- **Mastering H-NMR / D₂O / C-NMR:** Interactive spectroscopy learning project for NMR interpretation and structure elucidation.
- **Opraxis:** Pharmacy-focused digital learning and project platform within the ahmedmf.online ecosystem.
- **PTE / Australia Pharmacy Preparation:** Digital study platform supporting English/PTE preparation and the pharmacist pathway for Australia.
- **Pharma Research Radar - n8n:** Research automation concept integrating PubMed, Europe PMC, Crossref, PDB, Google Sheets/Supabase, and Telegram to capture drug-discovery literature, compounds, targets, cancer types, IC₅₀ values, and DOI data.
- **AI Content Factory - n8n:** Multi-platform research and content workflow covering drug design, pharmaceutical chemistry, data analysis, and technology news, including research, drafting, approval, publishing, and analytics stages.
- **Wolf & Deer / Byte & Bond:** E-commerce perfume brand project using GitHub, Vercel, and Supabase with product inventory, authentication, order workflows, payment planning, loyalty concepts, and brand implementation.
- **Portfolio & Web Ecosystem:** Built and organized multiple web projects and subdomains using GitHub, Vercel, Supabase, and AI-assisted development workflows.

RESEARCH & LABORATORY COMPETENCIES

Organic and heterocyclic synthesis | Pyrrole and pyrrolopyrimidine derivatives | Reaction planning and troubleshooting | Reflux and work-up design | TLC monitoring | Crystallization and purification | Melting-point interpretation | ¹H NMR | ¹³C NMR | D₂O exchange | Literature searching | Experimental documentation | Molecular-property calculations | SAR-oriented analysis

TECHNICAL SKILLS

Data Analysis & BI: Excel | Power Query | Power BI | SQL | MySQL | Python | Pandas | NumPy | SPSS | EViews | Stata | BigQuery basics | Google Sheets | Looker Studio

Development & Automation: GitHub | Vercel | Supabase | n8n | APIs | Power Platform Maker | AppSheet/Glide concepts | AI-assisted coding and workflow development

Scientific & Research: RDKit basics | Molecular docking concepts | NMR interpretation | Scientific literature review | Research synthesis | Pharmaceutical chemistry | Medicinal chemistry | Organic chemistry | SAR

Business & Operations: CRM systems | Customer support | Telesales | Complaint handling | KPI tracking | Pharmacy operations | Sales support | Dashboard thinking | Documentation

CERTIFICATIONS & PROFESSIONAL DEVELOPMENT

Saudi Pharmacist Licensure / Prometric - Passed 2025 | Udacity Data Analysis Professional | DataCamp Data Analysis Training | EYouth Excel / Data Analysis Training | Continuing learning in Python, SQL, Power BI, statistics, CADD, AI automation, research methods, and scientific data analysis