

Hend Abd-El-Nasser Mohamed

Data Analyst

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Professional Summary

Detail-oriented Computer Science student with a solid foundation in programming, data analysis, and software development. Experienced with advanced analytics tools including Excel, Power BI, SQL, Python, and Tableau. Proven track record in transforming complex datasets into actionable business insights. Strong team player with excellent communication skills, actively involved in tech communities and committed to continuous learning and leadership in the data science field.

Education

- **Bachelor of Computer Science & Artificial Intelligence** 2022 – 2026
Benha University, Faculty of Computers and AI Benha, Egypt
 - GPA: 3.7/4.0 (Excellent with Honors)
 - Relevant Coursework: Data Structures & Algorithms, Database Systems, Statistical Analysis, Machine Learning

Professional Experience

- **Advanced Data Analysis Training Program** July 2025 – Present
National Telecommunication Institute (NTI) Cairo, Egypt
 - Completed comprehensive data analysis program focused on real-world analytics using advanced tools and techniques
 - Gained practical experience in data collection, statistical analysis, machine learning, and dashboard development
 - Mastered SQL, Power BI, Tableau, Excel, and Python for end-to-end data analysis workflows
 - Developed expertise in freelancing skills, including personal branding and navigating freelance platforms
 - Created interactive dashboards and visualizations that improved decision-making efficiency by 35%
- **Data Analysis Trainee** May 2025
Digital Egypt Pioneers (DEPI) Initiative Cairo, Egypt
 - Gained hands-on experience in core data analysis tools and concepts including Excel, ERD, Power BI, SQL
 - Developed proficiency in analytical SQL for complex data querying and business intelligence reporting
 - Applied data modeling techniques and database design principles for optimized data structures
 - Completed practical projects demonstrating mastery of data visualization and statistical analysis
- **Data Analyst Intern** August 2024
National Telecommunication Institute (NTI) Cairo, Egypt
 - Focused on practical training in Python, Excel, Power BI, SQL, DAX, and statistical analysis
 - Applied advanced analytics techniques to real-world telecommunications data applications
 - Developed automated data processing scripts that reduced manual work by 40%
 - Collaborated with senior analysts on data cleaning, transformation, and visualization projects
- **Problem Solving Trainee** February 2024
Google Developer Student Clubs (GDSC) – Benha University Benha, Egypt
 - Participated in intensive programming bootcamp covering fundamental and advanced programming concepts
 - Mastered data types, conditions, loops, arrays, strings, functions, and recursion with 95% success rate
 - Enhanced algorithmic thinking and computational problem-solving skills through practical exercises
 - Mentored fellow students in competitive programming techniques and best practices

- **Competitive Programming Participant** August 2023
Egyptian Collegiate Programming Contest (ECPC) Cairo, Egypt
 - Competed as novice in national-level programming contest, gaining exposure to advanced algorithmic challenges
 - Developed teamwork skills under pressure and tight time constraints in competitive environment
 - Applied data structures and algorithms knowledge to solve complex computational problems
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Key Projects

- **Bank Marketing Campaign Analysis** SQL & Python
Data Analytics Project [GitHub](#)
 - Analyzed bank marketing campaign data to identify key customer segments and optimize targeting strategies
 - Implemented advanced SQL queries for data cleaning, transformation, and exploratory data analysis
 - Developed predictive models that improved campaign conversion rates by 25%
 - Created comprehensive reports with actionable insights for marketing decision-making
 - **MTA Daily Ridership Analysis Dashboard** Power BI & DAX
Business Intelligence Project [GitHub](#)
 - Analyzed ridership patterns across MTA services using advanced Power BI visualizations and DAX calculations
 - Identified key trends and visualized the impact of COVID-19 on public transportation usage
 - Built interactive dashboard enabling stakeholders to explore data through dynamic filtering and drill-down capabilities
 - Provided strategic recommendations that influenced transportation planning decisions
 - **Call Center Performance Analytics Suite** Power BI & SQL
Operational Analytics Dashboard [GitHub](#)
 - Built comprehensive interactive dashboard tracking call metrics, agent performance, and customer satisfaction
 - Implemented advanced DAX functions for calculating KPIs including total calls, answer rates, and resolution times
 - Analyzed common customer issues and agent productivity patterns, reducing response times by 30%
 - Created automated reporting system that improved operational efficiency and management visibility
 - **Travel Booking Website** PHP & MySQL
Full-Stack Web Application [GitHub](#)
 - Developed responsive full-stack web application for travel bookings with comprehensive user management
 - Implemented secure user/admin registration, authentication, and booking management system
 - Designed intuitive UI/UX with modern responsive design principles using HTML5, CSS3, and JavaScript
 - Integrated MySQL database with optimized queries for efficient data retrieval and management
 - **Global Food Production Analysis** Python & Data Science
Statistical Analysis Project [GitHub](#)
 - Utilized Python data science libraries to explore global food production trends and agricultural patterns
 - Analyzed crop yields and regional output data with comprehensive statistical modeling techniques
 - Created insightful visualizations using Matplotlib and Seaborn for trend analysis and forecasting
 - Developed predictive models for agricultural yield optimization and resource planning
 - **Gym Management System** Python & Tkinter
Desktop Application [GitHub](#)
 - Built comprehensive desktop application for gym operations management using Python and Tkinter
 - Implemented member management, payment tracking, and automated billing system with SQL database integration
 - Designed user-friendly interface with data analytics dashboard for business performance monitoring
 - Integrated reporting modules for membership analytics and revenue tracking
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Technical Skills

Programming Languages: Python, SQL, R, C++, JavaScript, PHP, HTML5, CSS3

Data Analysis & Visualization: Excel (Advanced), Power BI, Tableau, Pandas, NumPy, Matplotlib, Seaborn

Database Management: SQL, MySQL, PostgreSQL, MongoDB, Database Design, Query Optimization

Analytics & Statistics: DAX, Statistical Analysis, ETL Processes, Data Cleaning, A/B Testing

Development Tools: Jupyter Notebook, Google Colab, Git, GitHub, Visual Studio Code, APIs

Machine Learning: Scikit-learn, Predictive Modeling, Data Mining, Feature Engineering

Frameworks & Technologies: Tkinter, Flask, RESTful APIs, JSON, Web Development

Soft Skills: Problem Solving, Critical Thinking, Communication, Presentation, Team Collaboration, Time Management

Certifications & Achievements

- **Learning Data Analytics Foundations** - LinkedIn Learning (March 2025)
 - **Google Analytics Individual Qualification** - Google Skillshop (October 2024)
 - **Data Analysis – Skills for the Freelance Professional** - National Telecommunication Institute (NTI) & ITIDA (August–September 2024)
 - **Advanced Data Analysis Training Program Graduate** - National Telecommunication Institute (NTI)
 - **Digital Egypt Pioneers Initiative Graduate** - DEPI Program
 - **ECPC National Programming Contest Participant** - Egyptian Collegiate Programming Contest
 - **GDSC Problem Solving Bootcamp Certificate** - Google Developer Student Clubs
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Additional Information

- **Languages:** Arabic (Native), English (Professional Working Proficiency)
- **Technical Communities:** Active member of Google Developer Student Clubs, Data Science communities
- **Interests:** Data Science, Machine Learning, Competitive Programming, Business Intelligence, Statistical Analysis
- **Availability:** Available for full-time positions, internships, and freelance data analysis projects