

ABDELRHMAN AMEEN

Computer Science Student / Aspiring Data Scientist

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Summary

Sophomore Computer Science student at Nile University (CGPA 3.94) with a focus on Data Science and Artificial Intelligence. Currently developing expertise in Python, data analysis, machine learning, and data visualization, while enhancing problem-solving skills through programming. Seeking opportunities to apply technical knowledge toward a career as a Data Scientist.

Education

Nile University

Bachelor of Computer Science - GPA: 3.94/4.0

Sep. 2024 – June 2028

Egypt

Experience

Nile University

Junior Teaching Assistant – Python

September 2025 – January 2026

Egypt

- Assisted course instructors in managing and supporting lab sessions for the Python programming course
- Explained challenging concepts to peers during lab hours and provided real-time guidance on coding problems
- Helped students understand programming fundamentals and debug their assignments efficiently

Aligner

Python Developer — Audio Trainer

July 2025 – Present

Egypt

- Completed four project-based assessments as part of Aligner's evaluation process for joining the development team
- Trained AI models on my voice in various conditions to improve speech quality and recognition for English-language audio inputs

Data Analysis with Power BI Track

Data Analyst Intern

June 2025 – December 2025

Egypt

- Completed a comprehensive track on data analysis and business intelligence using Power BI
- Worked with real datasets to build dashboards, create visual reports, and derive actionable insights
- Gained hands-on experience with data modeling, DAX, Power Query, and visualization best practices

Google Developer Student Club – NU Chapter

AI Trainee

Feb. 2025 – July 2025

Nile University, Egypt

- Completed the AI Track with distinction (Grade A), focusing on foundational Machine Learning and practical AI applications

Skills

Programming Languages: C/C++, Python

Data & AI: MySQL, Data Analysis, scikit-learn, Neural Networks, NLP

Tools & Technologies: Power BI, Excel, Matplotlib, NumPy, Data Structure

Soft Skills: Problem-Solving, Team Work, Communication, Adaptability, Critical Thinking

Projects

Interactive Text Analysis Tool | Python, Streamlit, NLP, LLMs

2025

- Developed a web-based tool offering grammar correction, sentiment analysis, readability scoring, text simplification, paraphrasing, and plagiarism detection
- Built UI with Streamlit, allowing users to input text and view real-time analysis in an organized table
- Implemented linguistic processing using nltk, textblob, textstat, and language-tool-python
- Created paraphrasing functionality with Hugging Face's T5 model and plagiarism detection using sentence-transformers
- Applied text preprocessing techniques including tokenization, stopword removal, and sentence segmentation

Sales Data Visualization Dashboard | Python, NumPy, Matplotlib

2025

- Created synthetic sales data using NumPy to simulate realistic business scenarios
- Designed and built an interactive dashboard using Matplotlib to visualize monthly revenue and product performance
- Developed clear data insights to support business decision-making processes
- Applied data visualization best practices to enhance clarity and engagement

Bus Reservation System <i>C++, Excel, JavaScript</i> <ul style="list-style-type: none"> Designed and implemented GUI to allow users to reserve seats, view trip details, and manage accounts Developed data management system for users, trips, and reservations using Excel integration Implemented support for multiple routes, bus types, and dynamic pricing Integrated QR code generation using JavaScript and displayed mobile tickets via local server 	2025
Travel Agency System <i>PHP, MySQL, HTML/CSS</i> <ul style="list-style-type: none"> Developed a backend system using PHP and MySQL to manage hotel bookings, calculate costs, and store customer data Designed user-friendly forms in HTML and CSS for seamless data input and retrieval Implemented dynamic features including hotel rating storage, nights calculation, and cost estimation 	2024
Exam Creator Application <i>Python, Tkinter</i> <ul style="list-style-type: none"> Built a GUI application using Python to enhance user interaction and experience Utilized Tkinter for interface design, ensuring a responsive and structured layout Implemented structured data storage techniques to manage user input efficiently 	2024