Aya Tallah Ramadan Hassan

Software Development Student | AI Enthusiast

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SUMMARY

Motivated BIS student in the third year with a strong foundation in programming and a passion for technology and continuous learning. Possesses good problem-solving, communication, and teamwork skills, with knowledge of databases and software development concepts. Eager to develop technical skills and gain practical experience in a professional environment.

PROFESSIONAL EXPERIENCE

Python Instructor 11/2025
Code Bridge
- Teaching **Python programming fundamentals** to learners.
- Explaining Python libraries and their practical applications.
- Supporting students in coding, problem-solving, and debugging.
- Guiding learners in writing clean and efficient Python code.
- Introducing key libraries for data handling and programming tasks.

Mobile App Development Trainee 10/2025
DEPI
- Developing cross-platform mobile applications using **Flutter**.
- Integrating **Firebase** services such as Authentication, Firestore Database, and Storage.
- Building responsive user interfaces and managing app state in Flutter.
- Working on real-world projects, debugging issues, and improving app performance.
- Applying problem-solving skills and best practices in mobile app development.

AI for Business Trainee 07/2025
NTI
Worked on business-oriented datasets to apply AI techniques in solving real-world problems. Performed data cleaning, exploratory data analysis (EDA), and visualization. Built machine learning and deep learning models to generate predictive insights. Focused on how AI can support decision-making in business contexts.

Full-Stack Data Bootcamp Trainee 04/2026
IEEE PUA Student Branch
- Studied Data Science fundamentals and data analysis concepts.
- Learned Data Wrangling, Exploratory Data Analysis (EDA), and Statistical Foundations.
- Worked on Data Storytelling, KPI Analysis, and Business Insights.
- Explored Time Series Analysis, Recommendation Systems, and RAG concepts.
- Gained exposure to Data Engineering concepts and hands-on projects using Kafka.

Cyber Security Trainee 04/2026
RootX
- Studying cybersecurity fundamentals.
- Learning Linux operating system concepts and command-line usage.
- Understanding networking fundamentals and network concepts.
- Gaining foundational knowledge in system security and cybersecurity basics.

Financial Analysis Trainee 02/2025
CFA Ambassadors | Assiut University
- Studied financial analysis fundamentals and business finance concepts.
- Learned how to analyze financial statements and key financial indicators.
- Gained understanding of budgeting, financial decision-making, and business performance analysis.
- Developed analytical and critical thinking skills in finance-related topics.

EDUCATION

Bachelor of Business Information Systems (BIS) Third Year Student GPA: 4.0 10/2023 – Present
Assiut University

SKILLS

Programming Languages: C#, C++, Python, Java, JavaScript, Dart
Frameworks & Libraries: Flutter, Node.js, NumPy, Pandas, Matplotlib, Scikit-learn
Databases: MySQL / SQL
Tools: Visual Studio Code
Core Skills: OOP, Data Analysis Basics, Machine Learning Fundamentals, Database Design, Problem Solving, Software Development Fundamentals

PROJECTS

Dental Appointment Booking App (Flutter / Firebase)
Developed a mobile application using Flutter for booking dental appointments. Implemented a user-friendly interface for patients to browse doctors and schedule appointments. Integrated Firebase for authentication and real-time database management.

Dental Appointment Backend API (Node.js)
Developed a backend service using Node.js to support a dental appointment booking system. Built RESTful APIs to handle user requests, appointment scheduling, and data management. Ensured smooth communication between the mobile app and database.

Restaurant Data Analysis & Machine Learning Project (Python / ML / DL)
Technologies: Python, Pandas, NumPy, Matplotlib, Scikit-learn, TensorFlow
Worked on a restaurant dataset to perform data cleaning, exploratory data analysis (EDA), machine learning (ML), and deep learning (DL).
- Cleaned and preprocessed raw data to improve data quality and usability.
- Conducted EDA to extract insights about customer behavior and business trends.
- Built machine learning models for classification and prediction tasks.
- Applied deep learning techniques to improve model performance and accuracy.

Outcome: Improved skills in real-world data handling, predictive modeling, and AI-based business insights.

CERTIFICATES

- C# Programming Trainee
- python programming
- Protect Systems from Penetrations
- Front-End Development Trainee
- C# Basics: From Zero to First Applications
- cs50's Understanding Technology
- ERP systems 15 hours