

Abdulrahman Hafez Hasan

Backend Developer

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Summary

Backend-focused Computer Science student with experience developing web applications, APIs, and distributed systems using ASP.NET, SQL Server, Go, and Git/GitHub. Worked on collaborative full-stack projects and applied machine learning, graph analytics, and AI-assisted development workflows in academic and personal projects.

Education

Assiut University

Bachelor of Science in Computer Science

GPA: 3.64/4.00

07/2026

Projects

TribeUp — Social Media Platform (Graduation Project)

2026

- Collaborating in a 6-member development team to build a social media web and mobile platform using ASP.NET, SQL Server, React, and Flutter.
- Developing backend API endpoints and contributing to feed generation algorithms and group-related features.
- Using Git and GitHub for version control, collaboration, and feature tracking.

Amazon Reviews Big Data Analytics System

2026

- Developed a MongoDB-based big data analytics system using the Amazon Reviews dataset containing millions of review records.
- Performed data analysis and sentiment-oriented exploration on sampled datasets to improve performance and testing efficiency.

Distributed Database System in Go

2026

- Developed a distributed database system using Go with a master-slave architecture and HTTP-based node communication.
- Implemented data replication, distributed CRUD operations, and dynamic database/table management across multiple nodes.
- Designed basic fault-tolerance mechanisms and integrated MySQL databases for each distributed node.

GameGear Store — Full-Stack E-Commerce Platform

2026

- Developed a full-stack e-commerce platform for gaming accessories using Node.js, Express.js, and MongoDB Atlas.
- Implemented authentication, product management, cart functionality, order handling, and RESTful APIs.
- Deployed the frontend and backend using Vercel and Render with cloud-hosted MongoDB Atlas integration.

E-Learning Platform – .NET MVC

2025

- Built a web-based platform that offers online courses to users.
- Developed with ASP.NET MVC using the .NET Framework.
- Includes basic user registration and quiz functionalities.

Skills

Programming Languages

C#, Go, Python, SQL, C++, Java, JavaScript

Concepts

REST APIs, Object-Oriented Programming (OOP), Data Structures, Machine Learning, Graph Neural Networks (GNNs), Concurrency, Database Design

Frameworks & Technologies

ASP.NET MVC, node.js

Development Tools

NetBeans, Visual Studio, MySQL

Version Control

Git, GitHub

Databases

SQL Server, MongoDB, MySQL