

AHMED HASSAN

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PROFESSIONAL SUMMARY

Recent Computer Science graduate with experience in backend development, distributed systems, and applied machine learning. Passionate about building secure, scalable software that impacts real users. Skilled at collaborating in diverse teams, quickly learning new technologies, and applying data-driven problem-solving to challenging projects.

EDUCATION

Winona State University
Bachelor of Computer Science

Winona, MN
May 2025

TECHNICAL SKILLS

Languages: Java, Python, JavaScript, SQL, C/C++ (basic)
Backend: REST APIs, System Design, MySQL, Secure Coding, Logging, Data Privacy
Cloud & DevOps: Azure DevOps (AZ-900 in progress), Docker, Linux CLI, Git/GitHub, Postman
Data & ML: pandas, scikit-learn, Data Visualization, F1/Confusion Matrix Analysis
Frontend: DOM Manipulation, Responsive UI, Form Validation

TECHNICAL PROJECTS

Patient Intake and Records App

JavaScript, MySQL, Cloud API

- Built a secure **full-stack** healthcare application managing sensitive patient data for 50+ simulated records.
- Designed secure client-server communication and simulated cloud API integration, reducing data entry errors by **30%** through form validation.

Distributed File Storage Simulator

Java

- Developed a distributed storage system with **replication**, **fault detection**, and **chunking** for high reliability.
- Simulated multi-node architecture, achieving **99% uptime** in test scenarios.

Task Management System

SQL

- Designed a normalized database schema with role-based access control for multi-user environments.
- Optimized queries, improving search performance by **40%** on large datasets.

Premier League Outcome Predictor

Python, scikit-learn

- Trained and tuned supervised ML models, achieving **85% accuracy** and balanced F1 score.
- Created visualizations to explain model predictions for non-technical audiences.

WORK EXPERIENCE

Cardinal of Minnesota

Rochester, MN

Direct Support Professional

Mar 2022 – Present

- Coordinated care and safety for high-need individuals, documenting medical updates in compliance with HIPAA.
- Trained new team members on protocols, improving onboarding efficiency by **15%**.

River Hills Home Health

Rochester, MN

Direct Support Professional

Feb 2024 – Jun 2025

- Provided client support, maintaining accurate health logs for nursing staff follow-up.

WORK EXPERIENCE

Office Depot / OfficeMax

Rochester, MN

Tech Associate / Sales Advisor

Nov 2019 – Feb 2022

- Diagnosed and resolved hardware/software issues for 50+ customers weekly, reducing repeat visits by **20%**.

- Advised small business clients on compatible tech solutions, increasing upsell revenue by **10%**.

Morrison Healthcare

Cashier / Food Service Worker

Rochester, MN

Nov 2019 – Mar 2020

- Ensured food safety and customer service for 200+ daily patrons in a high-volume environment.

Walmart

Electronics Sales Associate

Rochester, MN

Oct 2017 – Nov 2019

- Assisted customers with electronics setup, troubleshooting, and warranty support.