

# Amanullah Anis

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## PROFESSIONAL SUMMARY

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Computer Information Systems student completing an AAS (3.91 GPA), with hands-on experience in data analysis, machine learning research, and software development. Coursework includes IT security fundamentals, programming (C++, Python), databases (SQL/Oracle), and data structures. Seeking Data Analyst, Junior Developer, IT Support, or Researcher roles.

## RESEARCH EXPERIENCE

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### Undergraduate Research Intern — IINSPIRE LSAMP Program, Iowa State University — 2 months

- Built a Python data pipeline that generated model responses via API (OpenRouter, Groq) and via Ollama
- Parsed and extracted structured response data into and from text files
- Compared responses from SLMs for pairwise semantic similarity against SOTA counterparts via another model (Llama) to see how similar SLMs are to their SOTA counterparts
- Created a research poster and presented at the IINSPIRE Poster Symposium and the ISU Summer Undergraduate Research Showcase to different levels of intellect in my research domain

## ACADEMIC PROJECTS & LAB WORK

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### EPL Soccer API Pipeline

- Built a Python pipeline pulling live data from the EPL API into SQLite, generating matplotlib charts, and serving team stats as JSON through a Flask REST API

### Hash Table Charity Search

- Implemented a custom hash table with a Tkinter GUI to filter and sort charity data by category and charitable-commitment percentage

### Book Summary Metadata & File Generator

- Built a Python Tkinter application that validates book summaries and generates formatted .txt files with author, title, and date metadata

### C++ Restaurant Application (Group Project)

- Used Qt Creator to build a UI for a restaurant application and implemented functionality to generate receipts

### Database Design

- Defined, manipulated, and queried a functional SQL database as part of Database & SQL coursework

### Web Development

- Built basic websites using HTML/CSS in WDV 101

## TECHNICAL SKILLS

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Programming: Python, C++, HTML/CSS

Databases: SQL, Oracle, SQLite

Data & ML Tools: Pandas, NumPy, Matplotlib, Streamlit, Pydantic, Ollama, OpenRouter, Groq

Development Tools: Flask, Tkinter, Qt, GitHub, Visual Studio, Text/File Parsing

IT Fundamentals: Computer Hardware, Software Troubleshooting, Security Fundamentals, Computer Networking Basics

Operating Systems: Windows (proficient)

Productivity Tools: Microsoft Office, Microsoft Visio, Microsoft Clipchamp

## EDUCATION

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### Associate of Applied Science — Computer Information Systems (AAS) — Expected Winter 2026

Des Moines Area Community College (DMACC) | GPA: 3.91 | Honors: Member, Phi Theta Kappa Honor Society

Relevant Coursework: IT and Security Fundamentals, Full Stack Web Development (Fall 2026), Data Structures, Python I & II, C++ & Advanced C++, Introduction to Programming Logic, Database & SQL / SQL-Oracle, Introduction to AI & Ethics in AI, Introduction to HTML and CSS, Statistics

### High School Diploma — 2020

Waukee High School, Waukee, IA