

## Younus Syed

(956)-578-1070 | [younussyed787070@gmail.com](mailto:younussyed787070@gmail.com) | [LinkedIn](#) | [Github](#) | [portfolio](#)

### EDUCATION

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**University of Texas at Dallas**  
*B.S. Computer Science*

May 2026  
GPA: 3.6/4.0

#### Relevant Coursework

*Data Structures & Algorithms, Database Systems, Computer Architecture, UNIX, Object-Oriented Programming*

### EXPERIENCE

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**Software Engineer Capstone**  
*SmartData Solutions*

Aug 2026 – Present  
Plano, TX

- Developed a **Python ingestion pipeline** using Microsoft Graph API to retrieve enterprise documents from SharePoint.
- Processed **multiple document formats** (PDF, Word, Visio, BRDs) and fed them into an internal **LLM normalization pipeline**.
- Automated enterprise document ingestion to enable scalable AI-driven document standardization.

**Software Engineer**  
*Handshake AI*

Aug 2026 – Present  
Remote

- Developed and deployed scalable machine learning models on **MCP servers** with **RAG pipelines**, improving anomaly detection accuracy by **7%** using ensemble algorithms and cross-validation techniques.
- Implemented robust **machine learning solutions**, streamlining data processing and analysis pipelines, which led to an **11%** reduction in processing time and enhanced data-driven decision-making.

**Software Engineer Intern**  
*Flomad Labs R&D*

May 2025 – Aug 2025  
Richardson, TX

- Enhanced backend performance by **8%** using **Java** and multiple **LLMs** through advanced prompt engineering and optimization techniques.
- Implemented data **vectorization** with **LangChain** to optimize LLM outputs, improving response consistency and control.
- Integrated real-time data from weather, travel, and flight APIs; designed and implemented cloud databases using **Firestore** and **AWS**.
- Refactored and streamlined backend code, increasing readability and maintainability by **16%**.

**Software Engineer**  
*4Human Corporation*

Jan 2025 – May 2025  
Austin, TX

- Designed, implemented, and deployed a new feature that increased user engagement by **12%** and improved customer retention.
- Optimized database performance by **9%** using **JavaScript** and **SQL** across frontend and backend.
- Developed **C++** backend services that reduced bug reports by **7%** and improved user experience.

### PROJECTS

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**AI Receptionist (Founder)** / React, Node.js, Docker, Redis, PostgreSQL

2026 – Present

- Implemented an end-to-end (RAG) pipeline using OpenAI embeddings + Weaviate vector database.
- Designed Backend architecture with PostgreSQL, Redis, and Docker.

**AI System-Admin** / Python, AWS, PostgreSQL, Docker, MCP, RAG,

2026 – Present

- Engineered an AI system-admin workflow capable of autonomously provisioning a full 3-tier AWS architecture
- Designed with microservices architecture and MVC patterns, implementing features like CORS and aggregation queries.
- Designed modular architecture supporting dynamic resource management and automated rollback capabilities.

### TECHNICAL SKILLS

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**Languages:** Java, Python, C#, C++, SQL, NoSQL, MongoDB, JavaScript (React.js, Node.js, Next.js), JavaFX  
**Other&ML:** AWS, RAG Pipelines, Embeddings, Vector Databases, LLM Orchestration, MCP, Prompt Engineering, Data Pipelines, Spring Boot, Linux, RHEL, Unix, WebLogic, Tomcat, Apache, Git Control, Android Studio.