

Talal Khan

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SUMMARY

I am an accomplished Computer and Software Engineering student with expertise Data Analytics, Developing, and embedded systems programming. My goal is to contribute to innovative projects and ideas. With a strong foundation in Computer engineering principles, practical skills gained through projects and internships, and proficiency in Python, SQL, C/C++, Excel, DEO, and MATLAB, I am eager to apply my knowledge and skills to real-world challenges.

WORK EXPERIENCE

Freelancing — AI/ML Engineer	Jan 2024 - present
Model Design Development: Build and deploy machine learning models using frameworks like TensorFlow and PyTorch, focusing on deep learning, NLP, and predictive analytics for real-world applications.	
Data Handling Optimization: Preprocess data, manage pipelines, and optimize databases (SQL,Pinecone) to ensure high-quality inputs, while integrating APIs and cloud services like AWS or Azure.	
Collaboration Deployment: Work with cross-functional teams to prototype, test, and scale AI solutions, emphasizing performance tuning, ethical AI practices, and business-aligned insights.	
Qaswa Industries — Dev and Tester	Jan 2025 - present
Website Development: Designed, developed, and maintained responsive E-tendering Portal for Industry using HTML, CSS, JavaScript, and frameworks such as React or Express.js.	
Backend Integration: Built and managed server-side functionality using Node.js, integrating APIs to enhance website features.	
Database Management: Developed and optimized database structures using PostgreSQL or MySQL, ensuring efficient data retrieval and storage.	
Testing Debugging: Conducted regular testing and debugging to ensure high-quality and error-free deployment.	
FreeLancer — GoHighLevel	Jan 2023 - present
All-in-One Platform: Combines CRM, marketing, and scheduling tools for streamlined client management.	
White-Label Branding: Fully customizable for agencies to resell as their own service.	
AI-Driven Automation: Enhances efficiency with automated workflows and analytics	

PROJECTS

MedicalChabot

Tech Stack: LLMs, LangChain for RAG, Pinecone for vector search, Flask for web API, AWS for deployment.
Functionality: Ingests medical documents, stores embeddings in Pinecone, retrieves relevant info, and generates accurate responses via Flask interface.
Purpose: Educational; demonstrates AI-driven healthcare apps (not for real medical use).

Ecommerce Store with Voice Navigation

A full-stack e-commerce platform with voice-activated browsing, search, and checkout using Web Speech API for accessibility.

Voice-driven product discovery and cart management.

User auth, product catalog, secure payments, order tracking.

Accessible for visually impaired/mobile users.

E-Tendering Portal

A production-ready project for an e-tendering system, enabling secure, efficient management of tender processes with a modern, scalable architecture. The project includes a responsive single-page application (SPA) frontend and a robust RESTful API backend, designed for industries to streamline bidding, document uploads, and user authentication. Frontend: Fast, responsive UI with real-time state management, routing, and user notifications.

Backend: Secure API with JWT-based authentication, file uploads, email notifications, and detailed logging.

Database: Optimized PostgreSQL for efficient tender, user, and bid data storage/retrieval.

Functionality: User registration/login, tender creation, bid submission, file uploads, and email alerts.

EDUCATION

2024 - Bachelors of Science, AI at **COMSATS University**

2020 - Intermediate, Pre-Engineering at **Wah Collage Public School and College System**

2018 - Matriculation at **Wah City Public School and College System**

TRAITS AND SKILLS

Personal Traits Skilled Collaborator, Rapid and Adaptive, Effective Cross Functional Communicator, Ability To Learn from Failure, Solution Oriented Professional, Able to Work Under Pressure and Meeting Deadlines, Team Oriented, Creative & Innovative, Leadership

Software Skills Pern, CRM, AI/ML, Microsoft Office, Machine Learning, Excel, Power BI