**Taha Wasiq**

**A green square with a white phone symbol

AI-generated content may be incorrect. 469-343-7291 | A red and white logo

AI-generated content may be incorrect.** [**taha.wasiq.1@gmail.com**](mailto:taha.wasiq.1@gmail.com) **| A blue square with white letters

AI-generated content may be incorrect.** [**linkedin.com/in/tahawasiq**](https://www.linkedin.com/in/tahawasiq) **| A black cat with a blue circle

AI-generated content may be incorrect.** [**github.com/TahaWasiq**](https://github.com/TahaWasiq)

**EDUCATION**

**The University of Illinois Urbana Champaign** August 2024 – December 2025

*Master of Computer Science*

* Coursework, Focus in Artificial Intelligence

**The University of Texas at Dallas** August 2019 – May 2024

*B.S. Information Technology and Systems: Minor in Computer Science*

* Honors/Scholarships*:*Academic Excellence Scholar, JSOM Freshman Excellence Scholar

**The University of Texas at Austin** January 2022 – August 2022

*PG Certification Program in Artificial Intelligence and Machine Learning: Business Applications:*

* Application of Statistics, Data Science, and Machine Learning techniques through Python programming
* Completed 9 projects based on real-world business applications

# PROFESSIONAL EXPERIENCE

**AI Engineer Intern** | **IBM –** New York, NY May 2024 – Present

* Wrote 3 backend tools using Python and exposed FastAPI endpoints that implemented OCR, page orientation detection, and text blur detection using OpenCV libraries with <5% margin error
* Implemented each tool into an agentic AI workflow to automate Quality control for Wells Fargo’s loan application process and successfully reduce Loan Analyst review time by 80%
* Built and deployed a GPU-accelerated live speech-to-text endpoint on CodeEngine using IBM’s 8B-parameter Speech model
* Integrated the speech-to-text endpoint into an agentic AI workflow with parallel processing for summarization, sentiment analysis, and recommended actions—reducing support delivery time by 50%
* Built an Agentic RAG system using Langflow and AstraDB, integrating 100+ vectorized annual reports and 10-K filings; deployed as a custom tool within Watsonx Orchestrate, enabling multi-tool agent workflows with sub-2s response latency.
* Led a technical team of interns to develop a Full-Stack internal marketplace application, which led to buy-in from C-Suite Executives

**Full-stack Developer & Co-Founder**| **NDA Analyst -** San Francisco, CA January 2025 – Present

* **Creating a software to streamline the NDA contract negotiation process with a** FastAPI Python backend that currently has 3k+ lines of code, and a React JavaScript Frontend with 5 pages currently deployed
* **Integrated Supabase (PostgreSQL + storage), Google Firebase Auth, GitHub, Vercel, and Render into a seamless CI/CD workflow,** automating database migrations and deployments across those 5 platforms to reduce deployment time by 40%
* Implementingdocument editing features including redline tracking, version control, and automated email notifications

**AI Engineer Intern** | **IBM -** San Francisco, CA May 2024 – Aug 2024

* Performed data cleaning, model tuning, and prompt engineering in Python Notebooks and compared outputs from 9 Watsonx.ai large language models in a RAG use case for Honda vehicle design
* Utilized IBM prompt lab to generate 20 examples of input and output data in Python Dictionary format to be used for RAG metric testing in developing a watsonx.gov dashboard for PepsiCo’s Gen AI models

**Technical Sales Engineer Intern** | **IBM -** Coppell, TX May 2023 – Aug 2023

* Researched the applications of AI and ML in IBM’s broad range of 7+ cybersecurity products
* Developed 7 innovative use cases, using my knowledge of AI & ML, that I presented to IBM Cybersecurity sales managers

**Founder/Operator** | **TWS Shoe Company -** Murphy, TXJanuary 2022 – May 2023

* Operated my own shoe re-selling business and brought 20k in revenue
* Programmed a software in C# that used a web-driver to acquire inventory from the Footlocker website

**Account Manager** | **Peek Consulting Group -** Dallas, TX April 2021 – August 2021

* Generated recurring yearly sales revenue of approximately $71,000 on behalf of AT&T
* Negotiated benefits of AT&T services to over 2,000 businesses and corporations through cold calling

# TECHNICAL SKILLS

**Coding Languages:** Python, Java, JavaScript, TypeScript, SQL, HTML/CSS, XML

**Frameworks/Tools:** FastAPI, React.js, Supabase, Firebase, OpenCV, LangFlow, LangChain, Pandas, NumPy, Matplotlib, SciPy, Blender

**Concepts:** Machine Learning, Generative AI, Data Science, Backend/Frontend Development, CI/CD, Application Development

**Other:** Tableau, Microsoft Office, Git, Vercel, Render

# PROJECTS

**Computational Photography Projects | Python, NumPy, OpenCV, SciPy, Blender**

* **Implemented texture synthesis pipeline** via dynamic programming-based image quilting, generating realistic imagery, and processing 8+ texture samples across 2,015 lines of implementation code
* **Developed Gradient Domain Processing** using Poisson equation solvers and Laplacian pyramids across 1,925 lines of python notebook code for seamless object insertion and blending
* **Built HDR reconstruction and Object rendering system** by merging 6+ exposure sequences with equirectangular environment mapping, integrating Blender’s Cycles engine for GPU-accelerated ray-traced rendering

**Full-Stack Weather Application**

* Built an Android app in a team of 5 Software Engineers, enabling users to add global locations, view them on Google Maps, fetch real-time weather data via API, and display insights using an LLM API
* Developed 10 backend Java files and 10 frontend XML files; implemented both manual and LLM-generated Gradle testing

**Computer Vision- Brain Tumor Classification**

* Constructed an ML model on a dataset of 1000+ images that identifies Brain MRI Scans with or without a tumor
* Utilized Data Augmentation then a 16-layer Convolutional Neural Network with Dropout, Pooling, and other Deep Learning concepts to achieve accuracy of 82%
* Leveraged the open-source VGG16 CNN model, which achieved 95% accuracy on the validation set

**NLP- Twitter U.S. Airline Sentiment**

* Applied Python, Tokenization, Vectorization, and other Natural Language Processing techniques to identify positive, neutral, and negative sentiments toward U.S. Airlines based on 15 parameters of over 14,000 customer tweets
* Developed an ML model that helps U.S. Airlines identify customer sentiment and achieved accuracy of 80%

## LEADERSHIP & INVOLVEMENT

**Rise Relief** (Water Charity Non-Profit) – Event CoordinatorMay 2023 – Present

**Racing Dallas FC** (Semi-Professional Soccer Club) – Team Member August 2023 – February 2024

**Formula Racing Society of Automotive Engineers UTD** – Software Team Member August 2023 – January 2024

**Afghan Refugee ESL Program** – Volunteer ESL Tutor April 2022 – July 2022

## ADDITIONAL INFORMATION

Languages: English, Urdu, Hindi, Arabic (Intermediate)

Eligibility: U.S. Citizen