

# Abdullah Ulhaque

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## EDUCATION

### Illinois Institute of Technology

*Bachelor of Science in Computer Science, Minor in Statistics*

Chicago, IL

Aug 2022 – May 2026

### Certifications

*AWS Certified Cloud Practitioner - Amazon Web Services*

March 2024

## EXPERIENCE

### Software Engineering Fellow

*Headstarter AI*

July 2024 - Sep 2024

Chicago, IL

- Developed and **3+** AI applications and **APIs using NextJS, OpenAI, Pinecone, and StripeAPI**.
- Led a team of **3+** engineering fellows, overseeing full-stack development projects from design to deployment.
- Coached by **Amazon, Bloomberg, and Capital One** engineers on Agile, CI/CD, Git, and microservice patterns.

### Artificial Intelligence Prompt Engineering Intern

*Radical AI*

May 2024 - July 2024

Chicago, IL

- Utilized tools like **ChatGPT, VertexAI, Google Cloud, LangChain, and Firebase** to generate engaging content and research effective prompting and model design.
- Crafted and fine-tuned chatbot prompts to streamline interactions and reduce response times.

### Information Technology Support Specialist

*Ross Stores, Inc*

Jan 2024 - Aug 2024

Gurnee, IL

- Spearheaded IT infrastructure management, leading to a **15%** improvement in network stability.
- Provided technical support to over **25 employees, reducing IT support tickets by 25%**.
- Enforced IT policies and procedures, enhancing data security and compliance, resulting in **0 data breaches during tenure**.

## PROJECTS

### Stock Market Prediction Model | *Python, TensorFlow, Keras, scikit-learn, Pandas, Numpy*

- Developed and optimized **LSTM** networks to capture temporal patterns in stock prices, **reducing mean absolute error by 15%**.
- Pre-processed and **analyzed 10+ years** of historical stock data for accurate predictions and actionable insights.
- Led a client-facing initiative for an **exclusive base of 10 customers, achieving 100% user** satisfaction with personalized insights.
- Created data visualizations for in-depth analysis and presentation of stock trends.

### Rock-Paper-Scissors Game with Predictive Algorithm | *C++*

- Created a heuristic-based algorithm predicting player moves **with 75% accuracy**, based on analysis of up to **100 previous** moves.
- Designed a memory-efficient data structure to optimize performance while maintaining high predictive accuracy.
- Designed a visually engaging game interface with ASCII art, offering real-time feedback.

### Jared - AI Assistant | *Python, HTML, CSS, JavaScript*

[thejarvisai.com](https://thejarvisai.com)

- Built a voice-activated personal assistant with text-to-speech and voice command recognition, automating tasks for **20+ daily** users using pytsx3.
- Implemented web search and desktop/browser task control with googlesearch, os, and webbrowser increasing user **productivity by 30%**.
- Created a webapp with HTML, CSS, and JavaScript, including a signup form via Formspre and a video showcase.

## TECHNICAL SKILLS

**Languages:** Python, C/C++, Java, GoLang, Kotlin, Dart, JavaScript, HTML/CSS, R, SQL

**Frameworks:** TensorFlow, PyTorch, React, Node.js, Flask, FastAPI

**Developer Tools:** AWS, Azure, Salesforce, Google Cloud Platform, OpenAI, Git

**Libraries:** Numpy, Pandas, Scikit-learn, Matplotlib, Keras