

Abdullah Ulhaque

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EDUCATION

Illinois Institute of Technology

Bachelor of Science in Artificial Intelligence, Minor in Statistics

Chicago, IL

Expected May 2026

CERTIFICATIONS

AWS Certified Cloud Practitioner

March 2024

Amazon Web Services

EXPERIENCE

Software Engineering Intern

July 2024 – September 2024

Headstarter AI

Chicago, IL

- Developed and deployed **5+** AI applications and APIs using NextJS, OpenAI, Pinecone, and StripeAPI.
- Led a team of **4+** 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.

AI Engineering Intern

May 2024 – July 2024

Radical AI

Chicago, IL

- Developed personalized learning algorithms and robust anti-cheat systems.
- 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 Specialist

Jan 2024 – Present

Ross Stores, Inc

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, Flask, scikit-learn, Pandas, Numpy, Matplotlib*

- 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 **25** 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

- Built a voice-activated personal assistant with text-to-speech and voice command recognition, automating tasks for **20+** daily users using pyttsx3.
- 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 Formsprees and a video showcase.

TECHNICAL SKILLS

Programming Languages: Java, Python, C/C++, Kotlin, Dart, JavaScript, HTML/CSS, R

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

Tools & Platforms: AWS, Azure, Salesforce, Google Cloud Platform, OpenAI

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