

Abdullah Ulhaque

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EDUCATION

Illinois Institute of Technology

Bachelor of Science in Computer Science, Minor in Statistics: GPA: 3.54/4.0

Chicago, IL

Aug. 2022 – May 2026

Certifications

Amazon Web Services - AWS Cloud Practitioner

March 2024

TECHNICAL SKILLS

Languages: Python, C/C++, C#, Java, HTML/CSS, JavaScript, Flutter, Swift, Dart, GoLang(GO), SQL, Scala

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

Developer Tools: Agile, AWS, Azure, OpenAI, Git, Google Cloud Platform, REST APIs, GitLab

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

EXPERIENCE

Software Development Engineer Intern

Amazon Web Services - (AWS)

May 2025 – Aug. 2025

Seattle, WA

- AWS Marketplace and Partner Organization Engineering Team: Incoming.

Software Engineering Simulation

JPMorgan Chase

Jan 2025 – Feb. 2025

Remote

- Designed and deployed a **Kafka-based** transaction processing system in **Spring Boot**, improving transaction validation speed by **30%** and ensuring **100%** data integrity in an **H2 SQL database**.
- Integrated an **external Incentives API** to dynamically apply rewards, optimizing real-time balance updates and enhancing transaction accuracy.

Software Engineering Internship

Headstarter AI

Aug. 2024 – Sep. 2024

Chicago, IL

- Led a team of **3+** interns to develop an AI-driven inventory management system using **Next.js**, **OpenAI**, and **StripeAPI**, improving efficiency by **40%**.
- Collaborated with engineers from **Amazon**, **Bloomberg**, and **Capital One** on CI/CD and Agile workflows.

Software Engineering Internship

Radical AI

May 2024 – Aug. 2024

Chicago, IL

- Built AI pipelines using Firebase and GCP, reducing data retrieval time by **10%** and improving system scalability by **15%**.
- Enhanced chatbot functionality, cutting response times by **25%** and improving user experience.

PROJECTS

CampusConnect | Flutter, Dart, SQLite, Firebase, REST API

Sep. 2024 - Nov. 2024

- Built a **Flutter-based** campus app with real-time chat, events, and Firebase authentication, serving **300+** students.
- Designed **REST APIs** and **SQLite** offline storage, boosting engagement by **35%** and reducing login errors by **25%**.

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

July 2024 - Sep. 2024

- Optimized LSTM models on **10+ years** of stock data, increasing prediction accuracy by **18%**.
- Engineered feature selection & preprocessing, reducing training time by **40%** and improving trading insights.

LEADERSHIP AND COMMUNITY INVOLVEMENT

Society of Hispanic Engineers (SHPE) | Member

Aug. 2023 - Present

- Participated in events, workshops, and professional development opportunities focused on increasing the number of culturally responsible Hispanic engineers who excel academically, succeed professionally, and positively impact the community.

Basketball Coach | Organizer

Aug. 2019 - Present

- Founded and managed a weekly **basketball league for 45+ children**, promoting teamwork, sportsmanship, and community engagement.