Yusuf Shaikh

617-504-3703 | yshaikh113@outlook.com | yfshaikh.com | linkedin.com/in/yfshaikh | github.com/yfshaikh

EDUCATION

University of Texas at Dallas   Richardson, TX
Bachelor of Science in Computer Science   *Expected May 2026*
- GPA: 4.0
- Hobson Wildenthal Honors
- AES Scholar
- Relevant coursework: Data Structures and Algorithms, Software Engineering, Systems Programming in UNIX, CS II, Discrete Mathematics

EXPERIENCE

ML Intern   August 2024 – Present
Cengar.AI   *Irving, TX*
- Developed and implemented a full-stack automated blog application using React and Flask, resulting in a **30% increase in user engagement** within the first month.
- Integrated web-scraping with Beautiful Soup, OpenAI embeddings, Langchain, and ChromaDB to create an efficient architecture, reducing data processing time by **40%**.

Fullstack Developer   August 2024 – Present
Wellness Center for Older Adults   *Plano, TX*
- Enhanced the UI for the Rides page and implemented functionality for adding and editing volunteers, leading to a **20% increase in user satisfaction** among volunteers.
- Improved admin role functionality and added features for volunteers, including ride listings and logging volunteer hours, which streamlined the coordination process and **reduced administrative workload by 15%**.
- Collaborated with the project partner to ensure the design met all client requirements, resulting in the delivery of a detailed design that supported **over 100 volunteers and clients**.

PROJECTS

Portfolio Website | *React, Node.js, Express, MongoDB, JWT Authentication*   July 2024
- Designed, implemented, and deployed a full-stack application, integrating various frameworks into a cohesive product, resulting in **50% faster load times** and **increased site traffic** by 25%.
- Implemented text, image, and PDF uploads using MongoDB and GridFS, and integrated a secure login feature using JWT Authentication, achieving **zero security incidents** since launch.

Chess Engine | *Python*   June 2024
- Developed a chess engine with PvP and computer modes, utilizing Negamax AI with Alpha-Beta pruning, resulting in a **50% reduction in move calculation time**.
- Enhanced the AI to compete at various difficulty levels, leading to **increased user engagement** with a **25% rise in completed games**.

COMMUNITY & LEADERSHIP

Eagle Scout Service Project   December 2022 – March 2023
Boy Scouts of America   *Plano, TX*
- Led a 4-month, 120-hour service project for a local library, coordinating a team of 15 volunteers to design and build large wooden toy sets from scratch
- Obtained approvals from both BSA and library administration, ensuring project success and community impact.

TECHNICAL SKILLS & CERTIFICATIONS

Languages: Python, Java, C++, JavaScript, HTML, CSS
Libraries/Frameworks: Node.js, Express, Flask, React, TensorFlow, PyTorch, MongoDB
Certifications: AWS Certified Cloud Practitioner, Convolutional Neural Networks in TensorFlow (DeepLearning.AI)