

Abdul Abdulnabi

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EDUCATION:

WENTWORTH INSTITUTE OF TECHNOLOGY | Boston, MA

Expected: Aug 2026

Bachelor of Science in Computer Science

Related Coursework: Algorithms, Data Structures, Databases, Network Programming, Discrete Math, Applications of AI, Operating Systems.

SKILLS/CERTIFICATIONS:

SOFTWARE: Eclipse, VSCode, Wireshark, Cisco Packet Tracer, Git, Node.js, Node-RED, IBM Cloud, Hugging Face, Docker

LANGUAGES: Java, Python, C/C++, HTML/CSS, JavaScript, MATLAB, Bash shell, SQL/Oracle, JSON, LC-3

OPERATING SYSTEMS: Windows, Linux/Unix, MacOS

CERTIFICATIONS: [IBM AI Developer Professional Certificate](#), [IBM Combining Machine Learning and Rules for Cybersecurity](#), [Enterprise Design Thinking Practitioner](#), Deep Learning Fundamentals

PROJECTS:

Voice Translation Assistant (*Independent*)

JAN 2025 – JAN 2025

- Developed a full-stack voice translation assistant using Watsonx and IBM Watson Speech Libraries, integrating speech-to-text and text-to-speech technologies for seamless real-time multilingual translation.
- Designed a responsive frontend with HTML, CSS, and JavaScript, and implemented a Flask-based backend to create an AI-powered, user-friendly application for voice input processing and playback.

Quantum Computing (Grover's Algorithm) (*Group of 2*)

NOV 2024 – NOV 2024

- Implemented Grover's Algorithm using IBM's Qiskit SDK on quantum hardware to demonstrate quantum efficiency in solving search problems, achieving quadratic speedup compared to classical search methods.
- Explored real-world applications of quantum computing in cryptography, optimization, and machine learning, showcasing its potential to outperform classical algorithms in specific problem domains.

Real-Time ISS & Astronaut Tracking and Visualization Tool (*Independent*)

OCT 2024 – OCT 2024

- Developed a dynamic system integrating RESTful APIs through Node-RED for live [ISS location](#) and astronaut data, enabling interactive real-time tracking and interaction with chatbot powered by chatgpt-4o.
- Visualized the ISS location on a world map with a recognizable icon, color-coding, and a responsive chatbot.

Technologies: Node-RED, JavaScript, JSON, RESTful APIs, real-time data processing, world map visualization. [\[Demo\]](#)

Watch Party Application (*Group of 3*)

OCT 2023 – NOV 2023

- Designed and implemented a [Watch Party application](#), enabling users to watch videos synchronously and interact via chat using multiple languages including Python, JavaScript, HTML and CSS.
- Used modern frameworks such as Flask, Socket IO and Jinja to implement all the programs feature.

EXPERIENCE:

RICOH USA, INC | Boston, MA

JUN 2024 – AUG 2024

Customer Engineer Intern

- Developed technical documentation and performed network troubleshooting (TCP/IP, DNS, DHCP, Wi-Fi).
- Managed server room operations, including the configuration and maintenance of Cisco servers, ensuring optimal network performance and security.
- Collaborated with K-12 clients to manage and maintain technology for students and teachers, ensuring client satisfaction.

Amazon | Marlborough, MA

AUG 2023 – SEP 2023

Associate

- Demonstrated exceptional efficiency in managing warehouse packages and sorting procedures, ensuring optimal organization and timely order fulfillment.
- Gained understanding of Amazon fulfillment and the robotics portion of Amazon's operations.

Lifetime | Framingham, MA

JUL 2021 – JUL 2023

Associate

- Trained new café hires on food preparation, customer service, and opening/closing procedures.
- Assisted with inventory management and ordering of supplies to maintain proper stock levels.