

MOHAMED ABU

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EDUCATION

University of Washington

Bachelors in Data Visualization | Applied Computing

Expected June 2025

Minors in Data Science and Computer Science & Engineering

Relevant Coursework: Data Structures & Algorithms, Information Technology, Operating Systems, Database Systems

RELEVANT WORK EXPERIENCE

SMA5H

Software Developer Intern

March, 2024 – Present

- Assisted in developing a Point of Sale (POS) system for both employees and clients using Python and Django.
- Worked with a team to develop a full-stack food ordering application using React.js, Node.js, and MongoDB.
- Currently developing an inventory management system utilizing Django to streamline database management and authentication.
- Collaborated closely with internal team members to help ensure integration based on project scopes and needs.
- Attended internal calls/meetings, gathered notes, and provided recaps to ensure alignment on call outcomes.

Freelance Developer

Programmer

June, 2023 – Present

- Built a website for a Mediterranean restaurant using strong HTML, CSS, and JS skills.
- Developed a recommendation system for an e-commerce store using data structures and algorithms.
- Programmed movement scripts for player characters and enemies in a 2D Unity game.

iQRA Learning Institute - Temporarily Closed

Project Lead

June, 2022 – September 2023

- Developed comprehensive coding activities using Pygame tailored to engaged first generation teenagers in fundamental programming concepts.
- Created interactive dashboards using Tableau to showcase attendance rates, academic progress, and participant feedback.

LATEST UNIVERSITY PROJECTS

[TEAM] MOVIE RECOMMENDATION SYSTEM

n/a

- Utilized python's pandas and surprise libraries for data preprocessing.
- Created a user-item interaction matrix.
- Used SVD to capture latent user features.

[SOLO] AI ARTICLE SUMMARIZER APPLICATION

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- Created an AI Article Summarizer using ReactJS and RapidAPI.
- Demonstrated strong API utilization skills and improved UI/UX Skills

[TEAM] INVENTORY MANAGEMENT SYSTEM

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- Employed graph data structures to model user-item interactions.
- Implemented collaborative filtering algorithms to generate personalized recommendations.
- Utilized priority queues to optimize recommendation retrieval times.

Technical Skills: Proficient with Bootstrap, Java, JavaScript, HTML/CSS, Tableau, Figma. Familiarity with SQL, SDLC, and CI/CD

Languages: Fluent in English, Arabic Somali; Conversational in Spanish, Turkish

