

Ahmed Ali | Software Engineer
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Portfolio: <https://ahmedali202222.github.io/ahmedali-portfolio/>

PROFESSIONAL SUMMARY

Passionate Software Engineer with hands-on experience building full-stack web applications, automating tests using Selenium, and deploying solutions using Docker and Firebase. Strong foundation in Python, JavaScript, and cloud tools, with a track record of solving real-world problems through agile teamwork and continuous improvement.

TECHNICAL SKILLS

- **Programming Languages:** Python, Java, JavaScript, C++, C, HTML5, CSS, Shell Scripting
- **Frameworks & Tools:** Flask, Django, React, React Native, PyQt5, Selenium, SSH, Tableau, Power BI, TestRail, Jira, Linux Environment
- **Cloud, Databases & APIs:** AWS, Firebase, OpenAI API, PostgreSQL, MySQL
- **DevOps & Methodologies:** Git, GitHub, Docker, CI/CD Pipelines, Scrum, Waterfall

EDUCATION

Wayne State University	Detroit, MI
Bachelor of Science in Computer Science, GPA: 3.3/4.0	Graduated: Dec 2024
Wayne County Community College District	Detroit, MI
Associate of Science in Pre-Engineering, GPA: 3.3/4.0	Graduated: Nov 2021

WORK EXPERIENCE

Wolverine Mailing Solution Group	Detroit, MI
Machine Technician	Dec 2022 - Current
<ul style="list-style-type: none">• Developed and programmed Jet Engine JUI templates for barcode generation in production machines.• Monitored and maintained the AI camera system for real-time barcode reading, optimizing accuracy and workflow efficiency.• Troubleshooted and resolved electrical/mechanical issues in mailing systems, reducing service interruptions by 20% and streamlining performance through preventive maintenance protocols.• Reduced downtime by 26% through calibration, component replacement, and repair of electrical and mechanical systems.• Reduced quarterly inventory costs by 17% through efficient refurbishment and reintegration of damaged parts into machines, minimizing waste and improving resource utilization.• Spearheaded leadership initiatives to enhance operator proficiency with new machinery setups; facilitated hands-on workshops that resulted in a better operational consistency and reduced error rates among the team by over 30%.	
Global Tech	Remote
Data Analysis Trainee (Part-Time)	Completed
<ul style="list-style-type: none">• Analyzed Instacart data, uncovering that 15% of orders with reported issues still received high customer ratings. Advocated for the addition of a 'Resolved Issue' metric to enhance order quality assessment, using SQLPad.• Identified that 10% of high-view YouTube videos lacked likes/comments. Visualized the issue in Tableau and suggested a 'Disabled Interactions' metric to enhance engagement analysis.• Developed user-friendly guides for analytical tools, increasing team adoption rates by 40% within three weeks.	

FEATURED PROJECTS

Luxe Touch – E-commerce Website Development	Apr 2025 – Present
<ul style="list-style-type: none">• Developed ShopLuxeTouch.com using Wix, optimizing mobile design, SEO, and payment integration.• Built curated product pages and streamlined checkout to enhance user experience.• Boosted organic traffic by 25% through SEO and targeted TikTok/Instagram marketing.	
L-CHII – AI-Powered Contemporary History of Iran Web Application	May 2024
<ul style="list-style-type: none">• Engineered an AI-driven web application using Flask and Firebase that utilizes LLM and Retrieval-Augmented Generation (RAG) to generate real-time responses to user queries about Iran's history.• Led front-end development in React and optimized Firebase real-time database queries, improving search accuracy.• Managed and executed test cases using TestRail and Selenium ensuring comprehensive test coverage, improving defect tracking, and accelerating bug resolution by 60% using Jira.	
Tech Stack: React, Firebase Realtime Database, Flask, Python, TestRail, Selenium 4.2, CSS,	
"Intel Data Center" – Energy Analysis for Site Selection	Aug 2024
Analyzed energy consumption and sustainability data for all 50 U.S. states, identifying the Northwest as a leading region in renewable resources while highlighting Texas' diverse energy production capabilities to inform strategic recommendations.	
Tech stack: SQL, SQLPad, Tableau	

CERTIFICATIONS

Website Audience Analysis (Global Tech, Mar 2024), Data Analysis for Energy Sources and Sustainability (Global Tech, Apr 2024), Foundations of Cybersecurity (Coursera, May 2024), Foundations of Data (Coursera, Jun 2024)