WALI CHEEMA

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EDUCATION

Bachelor of Science in Computer Science - Data-Centric Computing, Virginia Tech   Expected 2025
Rank: #1 in Data-Centric Computing

Relevant Coursework: Intro to Software Engineering, Software Design and Data Structures, Introduction to Computer Organization I, DBMS SQL, App Development with Docker

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL, MATLAB, R, JavaScript

Frameworks/Other: HTML, CSS, Docker, Node.js, MongoDB, Django, Azure Data Studio, Visual Studio Code, Plotly, Pandas

EXPERIENCES

Co-Founder / CTO (Startup)   April 2023 - Present
Convergent Systems AI   *Ashburn, VA*

- **Designed and developed a comprehensive Inventory Management System (IMS)** for a multi-location business, resulting in a 30% reduction in inventory carrying costs and a **20% increase in operational efficiency across 10 local businesses.**
- Leveraged GoHighLevel's automation capabilities to integrate the IMS with various business processes, such as order management and invoicing, resulting in a seamless end-to-end workflow and a 15% reduction in manual data entry errors.

Software Engineer Intern (Technical Consulting)   May 2022 - August 2022
Keybridge Solutions   *Washington, DC*

- Collaborated with cross-functional teams, leveraging expertise in **Python**, **script testing**, and **C/C++** to recommend optimal software solutions for diverse clients.
- Contributed to software development methodologies and conducted rigorous testing to ensure adherence to quality standards.
- Provided comprehensive technical support for PC hardware, desktop OS, and applications, troubleshooting and resolving complex issues.

Coordinator (Commercial Real Estate)   August 2020 - March 2023
AH Global Group, LLC   *Great Falls, VA*

- Designed and developed dynamic websites for multifamily apartment complexes using **Wix website builder and its Velo API**, skillfully incorporating **JavaScript** to enhance user experience and functionality.

PROJECTS

Inventory Management System: Designed using **Django/Python** as the backend and HTML/CSS as the frontend, as well as data visualization using **Plotly and Pandas**. It provides an easy-to-use interface for businesses to track their inventory and generate reports.

Memes-R-Us: Developed a web-based platform for generating and sharing memes, utilizing **Docker** for containerization, **GitLab** for version control, **MongoDB** for data storage, **Node.js** for upload functionality, and **HTML/CSS** for the website design.

DevelopMe - AI Chatbot: App using **OpenAI's API** that gives project ideas for novice software developers. Coded in **JavaScript**, with HTML/CSS as the frontend.

LEADERSHIP — EXTRA-CURRICULAR ACTIVITIES

- **Scholarship Chair** for the Phi Gamma Delta, Rho Alpha Chapter with over 100+ active brothers. Actively involved in encouraging a learning priority and scholastic achievement among undergraduate brothers, and working closely with the chapter's faculty advisor to appoint scholarship recipients.
- **President - Technology Students Association - Langley High School.** Developed and facilitated team-based projects that competed at a regional level, mentored students in Autodesk Inventor, AutoCAD, Java, and organized fundraising events.