

# VANESSA WITHUN

LinkedIn | Portfolio | GitHub: @iNeso1984

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## PROGRAM ANALYST & DEVELOPER

Data-driven professional pursuing an MS in CS focused on AI with experience in automation, analytics, and software development. Skilled in leveraging Python, databases, and visualization tools to streamline operations and provide actionable insights. Adept at working in Agile environments alongside program managers to deliver measurable improvements in efficiency, data integrity, and decision-making.

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## CORE SKILLS

Python • SQL • Power BI • Smartsheet • JavaScript • React • HTML/CSS • AI Automation Development • Data Visualization • API Integration • Agile Workflow Process Optimization • Database Management • Cross-Functional Collaboration

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## PROFESSIONAL EXPERIENCE

### General Dynamics Information Technology (GDIT)

#### Program Analyst & Developer | Nov 2023 – Present

- Develop automation scripts and database solutions using Python to streamline internal workflows, reducing manual reporting tasks by 40%.
  - Create and maintain data pipelines and dashboards in Power BI and Tableau to monitor project health and portfolio metrics across multiple programs.
  - Integrate and manage Smartsheet, SharePoint, and internal databases for synchronized data tracking and reporting.
  - Collaborate with program managers and analysts in an Agile team to translate operational requirements into automated solutions.
  - Design and implement performance metrics and reporting frameworks supporting enterprise decision-making.
  - Conduct data validation, transformation, and visualization to ensure consistent and accurate metrics across projects.
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### CGI Digital — Rochester, NY

#### Web Designer & Developer | Nov 2022 – May 2023

- Built and deployed 2+ custom websites weekly using HTML, CSS, JavaScript, and Node.js,

enhancing client satisfaction and retention.

- Improved site performance and SEO through cross-platform optimization, increasing client page speed by 20%.

- Collaborated with marketing and design teams to deliver scalable digital solutions within tight Agile timelines.

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## **U.S. Army — Fort Hood, TX**

### **Intelligence Analyst** | *Jun 2002 – Oct 2005*

- Analyzed multi-source intelligence (HUMINT, SIGINT, IMINT, OSINT) to identify threats and support strategic decisions.

- Produced high-level intelligence briefings and data visualizations to inform command operations.

- Ensured compliance with military security protocols and maintained data integrity across operations.

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## **EDUCATION & CERTIFICATIONS**

- **M.S. Computer Science (In Progress)** – Troy University, AL (Expected Dec 2028)
  - **B.S. Environmental Science** – American Military University (Jun 2022)
  - **Google Advanced Data Analytics Certificate** – (Nov 2023)
  - **SQL for Data Analysis (LinkedIn)** – (Oct 2023)
  - **Front-End Development** – Vets Who Code (Nov 2022)
  - **Certificate in Web Design** – Sessions College for Professional Design (Jun 2022)
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## **TECHNICAL COMPETENCIES**

**Languages:** Python, JavaScript, SQL, HTML, CSS, TypeScript, C++

**Frameworks & Tools:** React, Node.js, REST APIs, GitHub, VS Code

**Data & Visualization:** Power BI, Tableau, Pandas, Smartsheet

**Development Methodologies:** Agile, CI/CD, API Automation, Data Engineering, Cloud Services (AWS & Azure)