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## Objective

U.S. citizen and M.S. Computer Science candidate with expertise in Python, SQL, C++, and data analysis. Hands-on experience in secure system programming, forensics, and visualization. Seeking to contribute to mission-critical software and analytics projects by combining technical skills with a strong foundation in security and data-driven decision making.

## Skills

* - **Programming Languages:** Python, C++, SQL, Verilog HDL
* - **Data & Analysis Tools:** Power BI, NumPy, Matplotlib, Hadoop, Wireshark, MATLAB
* - **Systems & Technologies:** Windows, Linux/UNIX, HTML, JavaScript
* - **Core Competencies:** Secure Programming, Data Forensics, Visualization, System-Level Debugging

## Education

* **- M.S. in Computer Science**, University of Alabama in Huntsville - Dec 2024
* - **B.E. in Electronics & Communication**, Global Academy of Technology, VTU - Jul 2022

## Experience

* - **Graduate Teaching Assistant** - UAH (2022–2024): Supported 90+ students in labs with focus on OS, security, and programming in C++ and Python.
* - **Project Management Intern** - Genesis (2022): Developed Power BI dashboards and SharePoint-based trackers for student success metrics.
* - **Business Development Intern** - Neodocto (2021): Led analytics for medical inventory data and created automated reports.

## Projects

* - **Secure Data Extraction:** Developed forensic tools in Python to mine 3500+ emails & phone numbers from raw memory/disk images.
* - **Binary Parser:** Parsed proprietary .JJI files using custom header/footer detection and generated metadata with hash validation.
* - **Hadoop WordCount:** Processed 'War and Peace' with MapReduce to demonstrate distributed text analysis.
* - **CMOS Shift Register Design**: Achieved 83.56% power reduction with custom VLSI layout; published results in academic journal.
* -**Power BI Dashboards for Education Metrics:** Created interactive Power BI dashboards to track student progress and academic KPIs during internship at Genesis. Automated data pulls from SharePoint.
* -**Unity Car Game:** Created interactive Power BI dashboards to track student progress and academic KPIs during internship at Genesis. Automated data pulls from SharePoint.

## Certifications

* - Microsoft Power BI, Introduction to Data analysis by Microsoft, Python Foundation, Verilog HDL, Embedded Systems, IoT, ISRO GIS