Vivek Duggaraju

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SKILLS

- Python (Django Rest framework, Flask, Numpy, Pandas, etc), Java, C, SQL, MySQL, firebase, MongoDB, React. HTML, CSS, JavaScript, Shell Scripting, MASM x 86, Statistics and Analytics, Tableau, Unix, Linux.
- Software Development, Cybersecurity tools (Splunk, Wireshark, Catalyst, etc), Advanced Mathematics, OS, Git, Github

WORK EXPERIENCE

SkyIT (GBCS Group): *Backend Developer Intern*
05/2024 – *Current*

- Eliminated the system's dependency on FlatFile by partnering with the front-end team to design an integrated onboarding system, reducing onboarding time by 40% and bolstering system security.
- Engineered an automated testing tool for all APIs, increasing accuracy by over 60% and cutting manual testing hours.
- Optimized database management protocols by addressing inefficiencies and integrating new indexing techniques, boosting data retrieval speed for over 500 users and improving system performance by 25%.
- Collaborated with a team of 15 on 3 critical projects, leveraging tools like Git, GitHub, and Slack to gain insights into stakeholder communication.

Center for Translational Research in Neuroimaging and Data Science: *Student Assistant*
02/2024 – 05/2024

- Spearheaded troubleshooting for neuroimaging equipment, enhancing user experience and reducing technical support requests by 50%, improving productivity for 10+ research assistants.
- Contributed to 3 key research projects and engaged in ongoing professional development in neuroinformatics and brain imaging research.
- Managed daily operations and administrative tasks, facilitating smooth research operations for a team of 15.

GSU Student Center: *Event Operations Technician*
01/2023 – 02/2024

- Supported and set up over 50 audiovisual events, managed inventory worth $10,000, and conducted client orientations.
- Responded to emergency service requests promptly, preventing damage or disruption of service and achieving a 98% client satisfaction rate.
- Trained 6 new trainees, enhancing their technical expertise and proficiency.

Taffers Tavern: *Team Lead*
12/2021 – 01/2023

- Supervised a back-of-house team of 5, ensuring 95% efficiency in kitchen operations.
- Maintained high standards of food quality and safety, resulting in a 20% reduction in customer complaints and a 30% decrease in food wastage.
- Processed an average of 200+ transactions per shift, addressing customer inquiries and enhancing the overall experience.

EDUCATION

Georgia State University | *Atlanta, GA*

01/2022 – *Current*

12/2025 – Expected Graduation

- **4.0 GPA**
- **President's List:** Fall 2022, Spring 2023, and Fall 2023 - Dean's List
- Awarded merit-based Campus Atlanta Scholarship.
- **Related Coursework**: Principles of Computer Science I, Principles of Computer Science II, Calculus of One Variable I, Calculus of One Variable II, Multivariate Calculus, Linear Algebra and Probability and Statistics, Data Structures and Algorithms, System Level Programming, Computer Organization and Programming, and Software Development.

RELEVANT PROJECTS AND CLUBS

- **Cybersecurity CYB101 (CodePath)**:Led 8+ projects including Capture the Flag, created authentication key pairs using SSH Keygen, applied basic John the Ripper commands, tested vulnerabilities, gained access to Metasploitable, crafted simple contained viruses with MSFVenom, performed basic steganography using Steghide, analyzed vulnerabilities with OSINT, and worked on 3 group capstone projects.
- **Cybersecurity CYB102 (CodePath)**: Completed 6+ projects that enhanced proficiency in key cybersecurity tools such as Wireshark, Splunk, Catalyst, and various SIEMs, driving improved threat detection and analysis capabilities.
- **Clubs**: Active member of Association for Computing Machinery, GSU Student Chapter; Computer Science Club (GSU); and Institute of Electrical and Electronics Engineers GSU Student Branch.