Dylan Krishnan

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Leveraging my practical and academic experience to design, develop, and optimize innovative software solutions. Committed to promoting operational efficiency, enhancing security, and fostering collaboration within teams to create impactful solutions that address real-world challenges.

Education
- The Pennsylvania State University, University Park, PA | May 2026
- B.S. Cybersecurity Analytics and Operations | GPA: 3.67

Career Experience

Pfizer Inc – Commercial Business Analytics, Software Development Intern | *June 2025 – August 2025*
- Developed algorithms in Python to analyze large-scale datasets for commercial marketing
- Managed tickets on Jira and utilized GitHub to contribute to code platform used for analytics
- Wrote SQL database queries to present commercial data in an accessible manner
- Took a leadership role on an intern-led project to connect people within in the department

Pfizer Inc – Frontend Development Intern | *May 2023 – August 2023*
- Developed a frontend app for Pfizer Drug Product Design to streamline the outsourcing process
- Replaced email-based outsourcing, and created a centralized dashboard for 2000+ users
- Improved outsourcing process efficiency by 75%
- Enhanced finance data analytics for the outsourcing team that were previously not visible

Pfizer Inc – Research Intern | *June 2020 – August 2022*
- Developed a Python program to optimize clinical doses for drug product manufacture for clinical studies
- Accelerated drug product design and development
- Lead to a publication submitted to research journals
- Algorithm utilized for development of Covid-19 and Oncology drugs, including pediatric programs

Countryside Broadband – Systems Engineer | *January 2025 – Present*
- KVM Virtualization, remote management with action1, BGP routing with pfSense, APIs with Python

SMC Server Solutions | *January 2021 – Present*
- Linux server maintenance, Docker, Virtualization, BGP routing with pfSense and WireGuard
- Game server maintenance, with Java and Pterodactyl

Projects
- tee-time-bot – Wrote a script to automatically get tee times at a golf country club (Python, Linux)
- python-auto-register – Wrote a script to automatically register for classes (Python, Selenium)

Skills
- Languages: Python, Java, HTML + CSS + JS, SQL (MySQL, PostgreSQL, Snowflake)
- Tools: Docker, Git + GitHub, Active Directory, Wazuh, Snort, Suricata, Visual Studio Code
- Platforms: AWS, Google Cloud, Azure, Linux (Ubuntu, Debian, RHEL, Fedora), Windows

Relevant Coursework:
- Cyber-Defense Studio – Linux, Wazuh SIEM
- Malware Analytics – Reverse Engineering Malware using Ghidra and IDA
- Networking and Telecommunications – Networking
- Programming for the Web – Web Development
- Object-Oriented Design and Software Applications - Java