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: 3.66
- College of Information Sciences and Technology

Career Experience

Pfizer Inc – Commercial Business Analytics, Software Development Internship | June 2025 – August 2025

- Managed tickets on Jira and utilized GitHub to contribute to code platform used for analytics
- Developed algorithms in Python to help analyze large amounts of data for commercial marketing
- Modified data on the backend using SQL Database Queries
- Contributed a leadership role to group team project to help connect people in the department

Pfizer Inc – Frontend Development Internship | *May 2023 – August 2023*

- Developed a frontend app for Pfizer Drug Product Design to streamline the outsourcing process
- Replaced inefficient email-based outsourcing, and created a centralized dashboard
- Included features for spending analytics
- Enhanced data metrics for the outsourcing team that were previously not visible

Pfizer Inc – Research Internship | *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 262: Cyber-Defense Studio – Linux, Wazuh SIEM
- CYBER 366: Malware Analytics – Reverse Engineering Malware using Ghidra and IDA
- IST 220: Networking and Telecommunications – Networking
- IST 256: Programming for the Web – Web Development
- IST 311: Object-Oriented Design and Software Applications - Java