Dylan Krishnan

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Want to leverage my education, technical skills, and experience to design, develop, and optimize software solutions that drive innovation and efficiency. Committed to contributing to dynamic teams and delivering impactful applications to address real-world challenges.

Education

- The Pennsylvania State University, University Park, PA | May 2026
- B.S. Cybersecurity Analytics and Operations | GPA: 3.64
- College of Information Sciences and Technology

Career Experience

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

Penn State College of IST, Learning Assistant
August 2024 – Present

- Tutored students in Java, assisted students with coding projects and concepts

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

- Python, Java, HTML & CSS, MySQL, PostgreSQL, Docker, Git & GitHub, Wazuh, nmap, Snort & Suricata, Microsoft Active Directory, Visual Studio Code, DevOps, KVM, AWS, Google Cloud, Azure
- Windows, macOS, Ubuntu, Debian, RHEL, Rocky & Oracle Linux, CentOS, Fedora

Relevant Coursework:

- IST 210: Organization of Data - SQL
- IST 220: Networking and Telecommunications - Networking
- CYBER 262: Cyber-Defense Studio – Linux, Wazuh SIEM
- CMPSC 131: Programming and Computation - Python
- CYBER 366: Malware Analytics
- IST 256: Programming for the Web – Web Development
- IST 311: Object-Oriented Design and Software Applications - Java