

# Adithya Rajendran

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## WORK EXPERIENCE

Technical Consulting & Research, Inc.

December 2023 – Present

Cybersecurity Analyst Intern

Fremont, CA

- Conducted fit-gap analyses on essential systems and potential product acquisitions
  - Complied industry-standard best practices for maintaining a secure and compliant infrastructure
  - Created detailed reports outlining vulnerabilities and recommended remediation strategies
- Utilized the MITRE framework as a structured approach to investigating and addressing security incidents
- Prepared comprehensive reports and visualizations to communicate security issues to non-technical stakeholders
  - Participated in regular briefings to update management on the current threat landscape and recommended mitigation strategies resulting in an increase in overall security posture
- Investigated security hardening measures and log aggregation on cloud services

RND4IMPACT Inc.

September 2023 – Present

Software Development Intern

San Jose, CA

- Maintained meticulous documentation, encompassing code, methodologies, in frameworks like Django, Pandas
  - Implemented validation mechanisms consistency of data inputs, reducing the number of bugs by 50%
- Conducted thorough testing and fine-tuning to optimize the performance by 15% saving CPU resources
- Spearheaded the development of Python-based programs and solutions to address specific project requirements
  - Conducted code reviews to ensure adherence to coding standards and best practices resulting in a 20% reduction in bugs and errors
- Executed comprehensive data analysis tasks using tools like pandas resulting in a 30% increase in data-driven decision making

## PROJECTS

- **Django-based Portfolio Website:** Engineered a dynamic portfolio website using Django to showcase projects and professional achievements. Integrated secrets for sensitive information like email credentials and PostgreSQL login. Hosted on cloud platforms with automatic deployment, including a preview for development branches. Source code available on my [GitHub](#).
- **Home Lab Setup for IT Exploration:** Set up two HP virtualization server running VMware ESXi and connected them to a NAS server running TrueNAS with a RAID 6 configuration. This setup gave me fault-tolerance as well as high-availability. It also allowed me a controlled environment to setup like active directory forests, web servers, networks, SIEM server and gents and hone my cybersecurity skills.
- *More projects listed on <https://adithya-rajendran.com/#projects>*

## EDUCATION

University of California, Santa Cruz

June 2023

Bachelors of Science in Computer Science

Santa Cruz, CA

- A regular participant in the Cybersecurity Club as well as other cultural clubs.
- **Relevant Coursework:** Cryptography, Advanced Networking, Computer Systems and Assembly Language, Computational Models, Foundations of Programming Langs, Artificial Intelligence, Natural Language Processing

## CERTIFICATIONS, SKILLS, INTERESTS

- **Certifications:** CompTIA Security+, AWS Certified Solutions Architect, MTA: Security Fundamentals
- **Skills:** Python, C/C++, PostgreSQL, Docker, AWS, Snort, Linux/Unix, Firewalls, MITRE ATT&CK, NIST
- **Interests:** Darknet Diaries, DEF CON, Home labs, CTFs, HackTheBox, TryHackMe, Machine Learning