ADITIYA PURWANSYAH

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PROFESSIONAL SUMMARY

A highly motivated and results-oriented Computer Science undergraduate at IPB University and a distinguished graduate of the MSIB Vinix7 program. Recognized with the 'Top Speaker' award for the Final Project Presentation, showcasing exceptional communication and technical presentation skills. Possesses hands-on experience as a Junior Cybersecurity Engineer, with proficiency in a wide array of security tools, data analysis, and web development technologies. A proven fast learner and effective collaborator, adept at thriving in dynamic, high-pressure team environments.

EDUCATION

IPB University   Bogor, Indonesia
Bachelor's Degree in Computer Science, GPA : 3.63/4.00   *Aug. 2022 – Present*
Relevant Coursework: Operating Systems, Information Security, Software Engineering, Data Mining

EXPERIENCE

MSIB VINIX7 Academy   Feb. 2025 – June 2025
CyberSecurity Engineer Trainee   *Bogor, Indonesia*
- Conducted penetration testing and vulnerability assessments to ensure system resilience.
- Configured firewalls, IDS/IPS, and implemented encryption to safeguard data and network infrastructure.
- Monitored, responded to, and managed security incidents while developing comprehensive security policies.

IT-TODAY 2024   Aug. 2024 – Sept. 2024
Logistics And Transportation   *Bogor, Indonesia*
- Planned and managed logistics, procurement, and distribution of all essential supplies for a national-scale event.
- Coordinated the procurement process and timely delivery of materials to 5 different event locations.
- Provided on-site technical support to ensure smooth operational flow throughout the event.

Computer Problem Solving Competition 2024   Sept. 2024 – Oct. 2024
Liaison Officer   *Bogor, Indonesia*
- Served as the primary point of contact between competition committees, participants, and external stakeholders, ensuring clear communication and smooth coordination.
- Facilitated participant registration, briefing, and real-time assistance during the competition to maintain a seamless event flow.
- Collaborated with other divisions to address participant needs promptly, enhancing the overall competition experience and satisfaction.

HIMA Ilmu Komputer IPB   Dec. 2023 – Dec. 2024
Human Resource Development   *Bogor, Indonesia*
- Coordinated the HRD Division's flagship program from planning to execution, focusing on talent development and sports competitions, and successfully engaged 100+ participants from the Department of Computer Science.
- Actively contributed to the success of various programs, both within the division and in collaboration with other divisions.
- Awarded Best Staff in recognition of outstanding performance and contributions.

PROJECTS EXPERIENCE

Final Project Vinix7 – Website Security Analysis   Apr. 2025 – Jun. 2025
Penetration tester | Tools : Arachni, SSL Labs, WhatWeb, SQLMap, Manual Testing
- Performed website penetration testing using Arachni, SSL Labs, WhatWeb, SQLMap, and manual testing to identify critical security vulnerabilities such as database query leaks, clickjacking, and XSS.
- Developed exploitation Proof of Concept (PoC) and provided technical mitigation recommendations aligned with cybersecurity best practices.

Capstone – Halal Certification Analytics Dashboard (Collaboration with BPJPH)   Feb. 2025 – Jun. 2025

FrontEnd Developer | Tools : React.js, Node.js, Tailwind CSS, JavaScript, HTML, Github

- Designed and developed a responsive dashboard interface featuring an interactive map to visualize the distribution of halal certifications across Indonesia.
- Built a responsive analytics dashboard to display trend analysis of halal certification data in Indonesia.

Data Mining – Air Quality Data Analysis and Classification   Apr. 2025 – Jun. 2025

Data Analyst | Tools : Python, Pandas & NumPy, Matplotlib & Seaborn, Scikit-learn, Google Colab, Kaggle

- Analyzed and visualized air quality data to identify key pollutants contributing to pollution levels.
- Developed a Decision Tree classification model to predict air quality categories, with performance evaluated using accuracy and precision metrics.

CERTIFICATION AND TRAINING

- **CyberSecurity Enginner** - VINIX7 MSIB | 2025
- **Linux System Enginner** : Networking and SSH - CompTIA and Linkedin | 2025
- **Penetration Testing Professional Certificate by Cybrary** - Cybrary and Linkedin | 2025
- **Introduction to Cybersecurity** - Cisco Networking Academy | 2024
- **Trust and Security** - Google Cloud | 2024
- **Exploring Data Transformation** - Google Cloud | 2024

SKILLS

Languages: Indonesian (Fluent), English (Intermediate)
Technical Skills:

- **Cybersecurity & Network**: *Linux, Cisco, Metasploit, Nmap, Vulnerability Assessment, Wireshark, SSL/TLS, Wazuh, SQLmap, Hydra, Digital Forensics Assesment, Kismet*
- **Data Exploration & Analytics**: *Python (Pandas, NumPy, Matplotlib, Seaborn), SQL, Excel, Power BI, Tableau.*
- **Web Development**: *HTML5, CSS3, JavaScript (ES6+), React.js, Node.js, Express.js, Tailwind CSS, Responsive Design, RESTful API Integration.*
- **Database & Cloud Deployment**: *MySQL, PostgreSQL, MongoDB, Google Cloud, Docker, CI/CD.*
- **Software Engineering & Tools**: *Agile & Scrum, Git, GitHub, Jira, UML, ERD, Technical Documentation.*

SoftSkills: Analytical Thinking, Problem Solving, Team Collaboration, Communication Skills, Time Management, Leadership, Adaptability, Attention to Detail, Initiative & Ownership, Critical Thinking.