

EDUCATION

Universitas Indonesia (fully funded by [TELADAN Scholarship Tanoto Foundation](#))

2023 - Present

Bachelor of Computer Science, Faculty of Computer Science

- **GPA:** 3.89/4.00
- **Course taken:** Software Security, Ethical Hacking, Operating System, Computer Organization and Architecture, Computer Network, Advanced Programming, Platform-based Development, Database Systems, Data Structures and Algorithms,

SMA Pradita Dirgantara (fully funded scholarship)

2020 - 2023

Natural Science

- Grade: 95.31/100
- Head of Informatics extracurricular, OSN Informatika representative

ACHIEVEMENTS

[INTERNATIONAL, 2025] 4th Winner of University CTF 2025 by Hack The Box

[NATIONAL, 2025] 1st Winner of Bug Bounty 2025 by Pusdatin Kemendikdasmen

[NATIONAL, 2025] 2nd Winner of BPJS Healthkathon 2025: Security Category by BPJS Kesehatan

[NATIONAL, 2025] Finalist of National Cyber Week CTF 2025 by Binus University

[NATIONAL, 2022] 2nd Winner of Olimpiade Sains Kabupaten (OSK) Bidang Informatika by Puspresnas

[INTERNATIONAL, 2021] Silver Award of American Mathematics Olympiad by SIMCC and Southern Illinois University

PROJECT EXPERIENCES

[Microservices Restaurant Platform](#)

Engineered a scalable microservices architecture using **Spring Boot** and **Next.js**, adhering to **SOLID principles** and **TDD**. Implemented **CI/CD pipelines** for automated deployment to **AWS EC2**, integrating system profiling and monitoring to ensure high reliability and performance.

[SIJARTA Information System](#)

Built a modular backend using **Django REST Framework** and **PostgreSQL**, utilizing **manually optimized SQL queries** to ensure efficient data handling. Designed clean, scalable APIs to support complex database operations and ensure data integrity.

[Bean Scape \(Web & Mobile Integration\) \(Mobile Repo\)](#)

Developed a cross-platform ecosystem integrating a **Django** web dashboard and **Flutter** mobile application. Implemented **RESTful APIs** to enable real-time data synchronization and a seamless user experience across devices.

[UFC Predictive Analytics](#)

Conducted **Exploratory Data Analysis (EDA)** to extract fighter performance insights. Developed **Machine Learning models** (Classification & Regression) to predict fight outcomes and PPV sales, utilizing **clustering algorithms** to categorize fighting styles.

[PekanRistek CTF Challenge](#)

Designed and deployed two **Web Exploitation** challenges for a RISTEK UI competition, specifically targeting **Server-Side Template Injection (SSTI)** and **Unrestricted File Upload** vulnerabilities. Engineered the vulnerable application logic and intended exploit paths to test participants' **vulnerability assessment** and **Remote Code Execution (RCE)** capabilities.

EXPERIENCES

PT Geosys Infradata

Cybersecurity Consultant Intern

November 2025 - Present

- Orchestrated the deployment of **Savint IGA** and **Forescout NAC**, translating complex client requirements into actionable security policies and use cases.
- Managed Network Access Control for a client with **20,000+ hosts**, implementing dynamic compliance rules and continuous monitoring to secure the network infrastructure.
- Maintained security posture by performing dynamic policy updates and troubleshooting implementation issues to adapt to evolving operational needs.

RISTEK Fasilkom UI

Member of Network, Security, and Operating Systems SIG

March 2025 - Present

- Participated in **weekly Capture The Flag (CTF) competitions**, consistently achieving **Top 10 rankings in 5+ competitions** through collaborative problem-solving.
- Engaged in technical training on **Web Exploitation, Binary Exploitation, and Forensics**, while analyzing emerging **CVEs** to stay updated on the threat landscape.

Faculty of Computer Science, Universitas Indonesia

Teaching Assistant

January 2025 - December 2025

- Managed a cumulative cohort of **110+ students**, overseeing weekly lab assignments, grading, and conducting **live coding demonstration tests** to evaluate real-time problem-solving skills.
- Provided technical guidance on **Data Structures and Algorithms** (focusing on algorithmic efficiency) and **Discrete Mathematics 2** (ensuring mastery of theoretical computer science concepts).

Tanoto Scholars Association UI

Project Manager

February 2024 - December 2024

- Led a **team of 30+ members**, conducting brainstorming sessions to pitch and execute project ideas aligned with **SDG goals and sustainability**.
- Collaborated across divisions to ensure smooth execution and successful outcomes for major community engagement initiatives.

ADDITIONAL

Skills: Penetration Testing, Vulnerability Assessment, Identity Governance (IGA), Network Access Control (NAC), Web & Binary Exploitation, Digital Forensics, Secure Coding, Burp Suite, Nmap, Wireshark, OWASP ZAP, Saviynt IGA, Forescout NAC, Ghidra, Python, Java (Spring Boot), SQL, Bash, C/C++, AWS, Docker, Linux Administration, CI/CD.

Certifications: eJPT by INE Security (ongoing), ICCA by INE Security (ongoing), Forescout Accredited Engineer, Saviynt Certified IGA Professional