



# JAMES TANUWIJAYA

## Computer Science Undergraduate | Cybersecurity Specialist

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### SUMMARY

Highly motivated and results-oriented Computer Science undergraduate specializing in Cybersecurity with strong foundational knowledge in ethical hacking, penetration testing, digital forensics, and reverse engineering. Proven ability in assessing the security of web and mobile applications, constantly refining skills through CTF-inspired challenges. Seeking a Cybersecurity Internship to apply hands-on technical expertise and leadership skills to identify vulnerabilities and contribute to strengthening secure and resilient digital environments.

### LEADERSHIP & CAMPUS INVOLVEMENT

#### Leader - FYP (First Year Program)

Apr 2024 - May 2025

- Mentored and guided incoming Computer Science freshmen to support their transition into university life and academic success.
- Supervised and managed orientation data for over 800 new students, ensuring smooth program execution and active participant engagement.
- Led a team of 25+ Freshmen Leaders to introduce students to the campus environment during their first week and collaborated with Freshmen Partners who guided freshmen through their first academic year, fostering academic and social adjustment.
- Organized and coordinated campus programs, workshops, and activities to enhance student engagement and development.
- Strengthened leadership, communication, and problem-solving abilities through mentorship and cross-functional teamwork.

### EXPERIENCE & PROJECTS

- Executed comprehensive web and mobile application penetration tests, identifying, documenting, and reporting vulnerabilities through both static and dynamic analysis.
- Utilized professional cybersecurity tools such as Burp Suite, Frida, JADX, Objection, apktool, and Nmap to perform vulnerability scanning, reverse engineering, and network reconnaissance.
- Conducted digital forensics investigations using Autopsy, FTK Imager, and Volatility, extracting and analyzing artifacts from disk and memory images.
- Designed and implemented projects including AI Summarize (NLP research), XploreIt (educational platform), and Routing Simulation (OSPF & ACL configuration)

### EDUCATION

#### BINUS University Undergraduate

2023 - 2027

Bachelor of Computer Science (specialization in Cybersecurity)

Expected Graduation : 2027

Relevant Coursework : Network & Mobile Penetration Testing, Secure Programing, Computer Forensic, Reverse Engineering & Binary Exploitation.

#### SMAK Kalam Kudus Bandung

2020 - 2023

### TECHNICAL EXPERTISE

- Security Tools & Methodologies: Nmap, Hydra, Wireshark, Burp Suite, forensic tools (Autopsy, Volatility, FTK Imager, Signature), common penetration testing frameworks.
- Areas of Focus: Ethical Hacking, Penetration Testing (Web/Mobile), Digital Forensics, Reverse Engineering.
- Programming & Scripting: Python, C++, Java, Flutter, Javascript, PHP.
- Operating Systems: Linux (Kali Linux), Windows.