

# James Randall A. Magpantay

## Curriculum Vitae

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### CAREER OBJECTIVE

A dedicated and detail-oriented Information Technology student with a strong foundation in networking, cybersecurity, and systems administration. Seeking opportunities in IT, network, and security-focused roles where I can apply hands-on technical skills to support and secure organizational infrastructure. Eager to contribute to reliable and secure technology operations while continuously growing through practical, real-world experience.

### EDUCATION

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| <b>Polytechnic University of the Philippines</b><br><i>Bachelor of Science in Information Technology</i> <ul style="list-style-type: none"><li>Relevant Coursework: Operating Systems, Network Administration, Data Communications and Networking</li><li>Awards / Honors: Gokongwei Brothers Foundation Scholar, President’s Lister (AY 2024–2025)</li></ul> | <b>Manila, Philippines</b><br><i>Expected Graduation, 2028</i> |
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| <b>FEU Roosevelt Cainta</b><br><i>Science, Technology, Engineering, and Mathematics (STEM)</i> <ul style="list-style-type: none"><li>Awards / Honors: Top 3 Overall – Senior High School, Best in Research and Innovation, With High Honors</li></ul> | <b>Cainta, Rizal, Philippines</b><br><i>Graduated, 2024</i> |
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### TECHNICAL SKILLS

**Security & Governance:** CIA Triad, AAA, Network Security Fundamentals, ISC2 CC Standards  
**Networking:** IPv4/IPv6 Subnetting, VLANs, DHCP, Trunking, ACLs, EtherChannel, Routing, OSI & TCP/IP Models  
**Systems & Hardware:** Windows 10/11, Kali Linux, VirtualBox  
**AI Red Teaming:** Adversarial ML, Prompt Injection, Data Poisoning, Safety Filter Bypassing  
**Tools & Platforms:** Cisco Packet Tracer, PuTTY, CyberChef, Burp Suite, Nmap, Git, GitHub  
**Programming:** Python, Java, SQL, C  
**Leadership & Management:** Project lifecycle management, team coordination, and technical requirements alignment

### EXPERIENCE

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| <b>Department of Science and Technology (DOST)</b><br><i>Software Developer Intern</i> <ul style="list-style-type: none"><li>Remediated a verification flaw in the authentication service that accepted forged tokens, restoring signature validation</li><li>Blocked malicious file uploads by checking file contents against its claimed type, and rejecting files with embedded scripts</li><li>Conducted security audits for vulnerabilities, documenting CWE findings and patching insecure upload and SVG handling</li></ul> | <b>Manila, Philippines</b><br><i>July 2026 – August 2026</i> |
| <b>Cisco NetConnect PUP</b><br><i>Vice Chief Technology Officer - CCNA Trained</i> <ul style="list-style-type: none"><li>Applied CCNA concepts including VLANs, trunking, STP, and network segmentation to strengthen infrastructure security</li><li>Configured IPv4/IPv6 addressing, subnetting, DHCP, and DNS to maintain secure and reliable network operations</li><li>Designed, analyzed, and troubleshoot network topologies in Cisco Packet Tracer, incorporating security best practices</li></ul>                        | <b>Manila, Philippines</b><br><i>Feb 2026 – July 2026</i>    |
| <b>Google Developer Groups PUP</b><br><i>Cybersecurity Compliance Analyst</i> <ul style="list-style-type: none"><li>Ensures the integrity of cybersecurity learning materials distributed to a cohort of 200+ Cybersecurity Cadets</li><li>Co-facilitated cybersecurity workshops, showcasing security tools, best practices, and core cybersecurity concepts</li><li>Designed a CTF challenge with a vulnerability, giving participants hands-on exploitation in a controlled environment</li></ul>                               | <b>Manila, Philippines</b><br><i>Feb 2026 – July 2026</i>    |

### PROJECTS & TECHNICAL INVOLVEMENT

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| <b>PUP OUS – Personnel Accomplishment Monitoring System</b><br><i>Cybersecurity Lead &amp; Project Manager</i> <ul style="list-style-type: none"><li>Directed the end-to-end project lifecycle to automate task management for multi-departmental personnel</li><li>Enforced secure authentication with strong password requirements aligned with modern standards</li><li>Established data handling policies supporting the confidentiality, integrity, and availability of personnel information</li></ul> | <b>Manila, Philippines</b><br><i>March 2026</i> |
| <b>PUP OUS - SIEM and Ticketing System</b><br><i>Independent Developer</i> <ul style="list-style-type: none"><li>Achieved 100% audit log tamper detection by implementing SHA-256 hash chaining on all database writes</li><li>Reduced security alert noise by grouping 100% of concurrent events by source IP in a custom SIEM engine</li><li>Mitigated 100% of brute-force login attempts using client-IP rate limits and account lockout logic</li></ul>                                                  | <b>Manila, Philippines</b><br><i>March 2026</i> |
| <b>Automated Network Vulnerability &amp; Change Scanner</b><br><i>Independent Developer</i> <ul style="list-style-type: none"><li>Created a two-phase engine using Python and Nmap for rapid host discovery and targeted OS version detection</li><li>Built a risk classification system that labels open ports by severity and provides clear security explanations</li><li>Implemented an algorithm to flag new, closed, or modified port states by comparing scan results over time</li></ul>             | <b>Manila, Philippines</b><br><i>March 2026</i> |

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| <b>AI Odyssey CTF – TryHackMe</b><br><b>CTF Participant – AI Red Teamer</b> <ul style="list-style-type: none"> <li>Bypassed LLM safety filters via prompt injection to capture flags and document vulnerabilities</li> <li>Leveraged Burp Suite to exploit machine learning vulnerabilities and intercept model traffic</li> <li>Analyzed AI/ML threats, focusing on model-specific weaknesses and adversarial machine learning risks</li> </ul>                                                                     | <b>Virtual (International)   Manila, Philippines</b><br><i>April 2026</i> |
| <b>AWS Cloud Club PUP – AI Workshop</b><br><b>AI Developer &amp; System Architect (Project: PUP Enrollment Buddy)</b> <ul style="list-style-type: none"> <li>Built a RAG chatbot using LangFlow, DataStax Astra DB, &amp; Google AI Studio to refine university processes</li> <li>Implemented prompt engineering techniques to improve response accuracy and relevance of AI outputs</li> <li>Mastered the application of Large Language Model architectures within real-world conversational interfaces</li> </ul> | <b>Manila, Philippines</b><br><i>Feb 2026</i>                             |
| <b>IBM Bob Dev Day – Hackathon</b><br><b>AI Developer &amp; System Architect (Project: Skillet)</b> <ul style="list-style-type: none"> <li>Developed a two-repo system that fully automated dev-session mining, replacing manual extraction</li> <li>Engineered Skills Factory to autonomously mine Bob sessions using local text processing &amp; frequency analysis</li> <li>Built a React-based dashboard for browsing skill libraries and previewing real-time session mining results</li> </ul>                 | <b>Virtual (International)   Manila, Philippines</b><br><i>April 2026</i> |
| <b>CODEKADA – Hackathon</b><br><b>Cybersecurity Lead (Project: Eely – AI Electricity Bill Scanner)</b> <ul style="list-style-type: none"> <li>Formulated data privacy protocols for AI modeling, ensuring 100% compliance in securing sensitive utility data</li> <li>Established security protocols to safeguard data integrity during AI extraction</li> <li>Streamlined UI/UX design to translate complex AI energy insights into intuitive user interactions.</li> </ul>                                         | <b>Manila, Philippines</b><br><i>May 2026</i>                             |
| <b>Build With AI – Hackathon</b><br><b>Business Strategist (Project: GISING) – 2nd Place</b> <ul style="list-style-type: none"> <li>Won 2nd Place by building a preclinical stroke detection prototype using IoT and AI within a three-hour sprint</li> <li>Devised revenue models and growth strategies to ensure long-term sustainability for the application</li> <li>Mapped Key Partnerships and Channels to align AI medical hardware with healthcare and consumer markets</li> </ul>                           | <b>Manila, Philippines</b><br><i>April 2026</i>                           |
| <b>DataCamp</b><br><b>Scholar</b> <ul style="list-style-type: none"> <li>Integrated data literacy and security best practices into collaborative technical projects</li> <li>Gained technical proficiency in SQL for database management and Java for object-oriented programming</li> <li>Advanced from foundational to intermediate Python for complex data processing and script development</li> </ul>                                                                                                           | <b>Manila, Philippines</b><br><i>Dec 2025 – Present</i>                   |

| HONORS & AWARDS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |
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| <ul style="list-style-type: none"> <li>Gokongwei Brothers Foundation Scholar</li> <li>Cyber Threat Intelligence Analysis (CTIA Level III)</li> <li>Google Cybersecurity Professional – In Progress</li> <li>Certified Cybersecurity Professional (CCP) – Appkademiya</li> <li>President’s Lister, Polytechnic University of the Philippines (AY 2024–2025)</li> <li>2nd Place - Build With AI Hackathon (Project: GISING), April 2026</li> <li>Top 3 Overall - Senior High School (2024)</li> <li>With High Honors - Senior High School (2024)</li> <li>Best in Research and Innovation - Senior High School (2024)</li> <li>ISC2 Candidate</li> <li>Introduction to Cybersecurity – Cisco Networking Academy</li> <li>Introduction to Hardware and Operating Systems – IBM</li> <li>Introduction to Data Security – DataCamp</li> </ul> |  |