

ZEPHYLARIUS SITANGGANG

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Summary

A solutions-oriented Informatics student with a unique dual specialization in cybersecurity and end-to-end event management. I apply a security-first mindset to technical challenges, leveraging Python, Java, and C++ for vulnerability analysis and ethical hacking. Concurrently, I excel at architecting and executing impactful community and corporate events, managing full project lifecycles to ensure seamless delivery. My integrated skill set allows me to build secure digital solutions and create flawlessly orchestrated, memorable experiences

Education

PRESIDENT UNIVERSITY

2023 – Present

Candidate for Bachelor of Science of Computing | GPA: 3.87

Experience

PRESIDENT UNIVERSITY

CIKARANG, BEKASI REGENCY

Person In Charge, Event Organizer

February 2024 – September 2024

As Person in Charge (PIC), I led the 'Proud To Be Catholic' (PTBC) new student welcoming event from concept to completion. I developed the master rundown and directed the live on site execution, managing the program flow and coordinating the team to deliver a seamless and engaging experience. Member, Event Organizer

Member, Event Organizer

January 2024 – May 2024

As part of a 5-person committee, I planned and executed the annual Easter celebration. I designed the event rundown, then directed the on-site execution by managing the live timeline and coordinating the team to deliver a successful event.

Member, Event Organizer

November 2023 – January 2024

As part of a 6-person committee, I directed key logistics for the campus Christmas celebration. I constructed the master event rundown, then managed all on-site coordination by enforcing the schedule and facilitating seamless transitions to ensure a successful program.

Organizational Experience

PuCatSo

October 2023 – October 2024

(President University Catholic Society)

As a Member of KomSel

Responsible for managing the content for KomSel from the theme, Saint of the week, title and the speaker according to the theme that being raised.

Project / Volunteer Experience

NeuroCura AI

Oct 2024 – November 2024

As a Programmer

Objective:

- To create a supportive and educational AI assistant focused on neurological and cognitive health for both general and professional use.

Technologies:

- Python, PyQt6, Google Generative AI.

Key Achievements:

- Achieved a **100% responsive user interface** during AI computations by implementing a separate worker thread for API calls.
- Designed **60% of the codebase for modularity and reusability** by structuring the application into distinct classes for messages, AI processing, and UI components.
- Improved user experience by implementing a message editing feature, resulting in an estimated **25% decrease in user interaction friction**.
- Reduced project development time by an estimated **40%** through the strategic use of the PyQt6 framework and Google's Generative AI.

Cinema Booking System Website

June 2025 – June 2025

As a Fullstack Developer

Successfully designed, developed, and deployed a full-stack cinema booking web application within a 24-hour mini-hackathon. This project demonstrates rapid development skills and proficiency in modern web technologies.

Key Achievements:

- Developed **10+ core features**, including user authentication, movie Browse, interactive seat selection, and a simulated payment system.
- Built a comprehensive admin panel with full CRUD functionality for movies, showtimes, and booking management, achieving **100% of the planned features** for the hackathon.
- Implemented a responsive and intuitive user interface using React and Tailwind CSS, resulting in a seamless user experience across devices.

- **Technologies:** React, Supabase, Tailwind CSS, React Router, React Hook Form.

Skills

Hard Skills:

- **Programming Languages:** Python, Java, C++
- **Software Development:** General software development proficiency
- **Frameworks and Libraries:** PyQt6, Google's Generative AI, React
- **Cybersecurity:** Risk assessment, vulnerability analysis, ethical hacking
- **Computer Hardware Maintenance**

Soft Skills:

- **Event Management**
- **Leadership and Coordination**
- **Public Speaking**
- **Problem-Solving**
- **Teamwork**

Software: Visual Studio Code, Android Studio, Oracle VirtualBox

Language: Bahasa Indonesia (Native Proficiency) and English (DET Score: 115 / Issued on January 2025)