

YOEL HEARDLY SIRAIT

Pematangsiantar, Sumatera Utara
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EDUCATION

PRESIDENT UNIVERSITY, Candidate for Bachelor of Science in Computing.

GPA 4.00 / 4.00, Sep 2023 - Present

Honors: Jababeka Scholarship

Aug 2023 - Present

Activities: Investment Club

Sep 2023

SMA SWASTA ADVENT MARTOBA PEMATANGSIANTAR, High School Diploma.

Jul 2020 - Jul 2025

Awards: CHAMPION IN THE CLASS

Apr 2023

Olimpic Day, Basketball

Aug 2022

Olimpic Day, Futsal

Nov 2022

Olimpic Day, Voly

Aug 2022

Activities: Student Council (OSIS)

Jun 2022

Class Year Organization

Jun 2022

WORK

EXPERIENCE

Pelajar Mendunia, Pontianak Kalimantan Barat

Facilitator & Research Assistant, Divisi Riset dan Teknologi

Aug 2023 - Present.

Assisted in sourcing expert speakers and preparing materials on digital technology for webinars and seminars. Acted as an operator during events, ensuring smooth technical execution. Contributed to the research and development of educational content, enhancing the division's outreach and impact.

Senior Class event, SMA Swasta Advent Pematangsiantar

President & Alumni Chairperson, Senior Class Committee

Mar 2023 - May 2023

As President and Alumni Chairperson for the Senior Class of 2023 at SMA Swasta Advent Pematangsiantar, I led the organization and execution of key events marking the end of our high school journey. I collaborated closely with faculty and team members to coordinate graduation ceremonies, farewell gatherings, and community projects. My responsibilities included assigning roles, ensuring smooth communication, and resolving challenges. Additionally, I worked to build a strong alumni network by organizing post-graduation events and maintaining connections among graduates. My efforts aimed to leave a lasting legacy and foster a sense of unity and belonging among all members of the Senior Class.

Olimpic Day Event, SMA Swasta Advent Pematangsiantar

General Committee Member, Event Security & Scheduling Division

Oct 2022 - Oct 2022

As a General Committee Member for the Olympic Day Event at SMA Swasta Advent Martoba, I was responsible for ensuring the security of the event and meticulously creating the match schedule. My role required close coordination with different teams to ensure the event ran smoothly and safely. Thanks to careful planning and execution, the event proceeded without any disturbances, and all matches followed the schedule seamlessly.

PROJECTS

Vidio Penerepan Kurikulum Merdeka, Project Meneger dan Editor

Jan 2023 - Jul 2023

Managed and edited a video project on Kurikulum Merdeka implementation, requested by the middle school principal as part of a government-mandated task. Coordinated a team, developed the script, supervised the filming process, and ensured timely completion. This project was essential for aligning the school's curriculum with national education standards.

Pembuatan Vakum Pembersih Debu, Project Manager & Inventor

Jan 2023 - Jan 2023

Led the design and construction of a dust vacuum cleaner, overseeing all stages from concept to final product. Managed resources, created blueprints, and assembled the device. This project demonstrated practical engineering skills and provided an effective solution for dust management.

BANK KITA - Java Banking Application, Lead Developer

May 2024 - May 2024

Developed a comprehensive banking application in Java, mimicking real-world bank and ATM operations. Designed and implemented the GUI, business logic, and database integration, providing a functional and user-friendly experience for managing banking transactions.

Blibiotukar - Online Book Exchange Platform, Project Manager & Full-Stack Developer

Sep 2023 - Present.

Developed and managed Blibiotukar, a comprehensive platform for book enthusiasts, covering frontend, backend, and database. Facilitated book exchanges, sales, and purchases among students. The project promotes sustainable reading, connects readers, and nurtures a community for literary discussions.

**SKILLS &
CERTIFICATES**

Skills: Programming Languages: Python, Java, PHP, C++, JavaScript. Machine Learning & AI: Supervised Learning, Clustering , Deep Learning , TensorFlow, Scikit-Learn, Pandas, NumPy, Matplotlib, OpenCV. Data Science: Data Preprocessing, Feature Engineering, Model Evaluation, Data Visualization, Data Analysis. Full-Stack Development: HTML, CSS, JavaScript, PHP, MySQL, RESTful API. Software Tools: Visual Studio, Blender 3D, Orange APP, Code, Jupyter Notebook, Git, Excel, Figma, Canva, Microsoft Office. Hardware/IoT: Arduino, Prototyping, Circuit Design. Other Skills: Public Speaking, Research, Project Management, Leadership

**LANGUAGE
PROFICIENCIES**

TOEFL Prediction, (Daily Bahasa Inggris and Licensed by PT.DAILY CIPTA DWIPA) Score: 450

PERSONAL

As a current student at President University majoring in Information Technology, I have cultivated a diverse set of skills that position me as a versatile and well-rounded individual. My proficiency spans multiple programming languages, including PHP, Java, Python, and C++, enabling me to develop reliable and efficient software solutions that can handle growing demands. My expertise in Full-Stack Development, combined with a solid understanding of Entity-Relationship Diagrams (ERD), equips me to manage both the frontend and backend of complex projects effectively. Beyond coding, I have a keen interest in the Internet of Things (IoT), where I apply my knowledge to create innovative and connected devices. My leadership abilities have been honed through various roles where I have successfully led teams and managed projects, demonstrating strong organizational and communication skills. I am also skilled in sports, which has taught me the value of teamwork, discipline, and perseverance—qualities that I carry into my professional life. Additionally, I am proficient in software tools such as Microsoft Excel, Word, and other Office applications, which are essential for documentation, analysis, and project management. Furthermore, I possess a creative side, with skills in design that allow me to create visually appealing and user-friendly interfaces. This combination of technical expertise, leadership experience, and creative flair makes me a well-rounded candidate ready to contribute effectively in any professional setting.