WILSON EKSAUDI SIHOMBING

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I am a fifth-semester undergraduate student majoring in Information Systems at Del Institute of Technology. With a strong passion for software engineering, I specialize in full-stack web development and am now studying mobile development. My academic background and hands-on experience have equipped me with the skills necessary to create innovative and efficient solutions in the tech industry.

EDUCATION

Bachelor Degree in Information System, Del Institute of Technology   *Aug 2022 – Expected 2026*

- **Current GPA**: 3.69/4.00
- **Relevant Courses:**

Visual Programming, Procedural Programming, Object Oriented Programming, Database, Data Structure and Algorithm, Human-Computer Interaction, Operating System, Software Engineering, System Analysis and Design.

WORK EXPERIENCES

Student Teaching Assistant of Visual Programming   *Sep 2023 – Dec 2023*

Del Institute of Technology

- Assisting students in visual programming practicums by providing specific guidance and support during practical sessions.
- Provide tutoring sessions to help students understand complex concepts in visual programming, resulting in improved classroom performance and higher student satisfaction.
- Graded assignments and projects, giving constructive feedback to students to help them improve their coding skills and understanding of visual programming principles

ORGANIZATION EXPERIENCE

Vice Chairman of the Student Executive Board Election Commission   *May 2024 – Present*

Del Institute of Technology

- Oversee the planning and implementation of all student election activities, ensuring a fair and transparent process while adhering to institutional guidelines and regulations.
- Lead and mentor a team of committee members, providing guidance and support to ensure the successful completion of all election-related tasks and responsibilities.

Member of Del Data Science Club   *Sep 2023 – Present*

Del Institute of Technology

- Conducted learning sessions to share knowledge and best practices in data science, helping colleagues improve their skills in data analysis, machine learning, and related fields.
- Actively participated in team preparations for national and international competitions, including GEMASTIK.

Member of the Student Consultative Assembly   *Jun 2023 – Present*

Del Institute of Technology

- Collected and communicated student concerns and suggestions, ensuring their voices were heard and considered in university decision-making processes.
- Monitored the activities and performance of the Student Executive Board, providing accountability and ensuring adherence to student government policies and objectives.

PROJECTS

JejakPendaki, Open Trip Mountain Climbing Website   *Jun 2024 - Present*

- Implemented UI/UX using Figma, developed front-end using HTML and Bootstrap, created backend with PHP Laravel, and managed the database with MySQL. Utilized tools like Git for version control.
- Created two microservices, including a front-end interface for users and a backend data management system, implementing CRUD functionalities.

Wilson, Personal Portfolio Website App   *Jun 2024 – Aug 2024*
- Developed Front-End, utilized HTML, CSS, and JavaScript to create a responsive and visually appealing personal portfolio website, showcasing projects, skills, and experience.
- Enhanced User Experience, implemented interactive features and animations using JavaScript to improve user engagement and provide a smooth navigation experience.

BookSelf API, Web API   *May 2024 – Jul 2024*
- Utilized Node.js to build a RESTful API for managing a book collection, implementing various endpoints to handle CRUD operations (Create, Read, Update, Delete).
- Created and executed test cases using Postman to ensure the API's functionality, reliability, and performance, validating responses and error handling.

Technical Report GEMASTIK XVII   *May 2024 – Jul 2024*
- Paper Title: 'Optimalisasi Lokasi Program Susu Gratis Prabowo Gibran Atasi Stunting di Jawa.
- Conducted data mining for stunting data in Jawa Barat and analyzed the results to optimize the distribution of free milk in the Prabowo-Gibran initiative.
- Designed and implemented data mining algorithms to extract valuable insights from large datasets using tools and languages such as Python.

BookSelf Apps, Frontend Web for Managing book   *May 2024 – Jun 2024*
- Utilized HTML, CSS, and JavaScript to create a responsive and user-friendly interface for managing a book collection, allowing users to easily add, view, update, and delete book entries.
- Implemented dynamic features and interactivity using JavaScript to improve user engagement and provide a seamless browsing experience.

SKILLS

Programming: C, Java, Bootstrap, JavaScript, Python, PHP, NodeJs.
Tools: Flowgortihm, Git, GitHub, Coda, Katalon Studio, Postman.
Database: MySQL.
Creative Design: Figma, Canva.
Soft Skill: Agile, Scrum, Project Lead, Public Speaking, Communication, Problem Solving, Time Management.
Language: Bahasa Indonesia (Native), English (Conversational)