

ANDY SAPUTRA

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<https://andysaputraportofolio.vercel.app> | Alam Sutera , Paddington Height

Computer Science student majoring in Artificial Intelligence with hands-on experience in machine learning, deep learning, and software development. Built and deployed AI and web-based systems such as Diebety AI Predict, SkolioCheck, ExploreID, and AndySaputraPortfolio to enhance efficiency and user interaction. Proficient in Python, React.js, SQL, Deep Learning, and Machine Learning, continuously developing expertise in data-driven and intelligent system design.



EDUCATION

Binus University - Alam Sutera, July 2023 - July 2027 (Expected)
Computer Science, Streaming System Intelligence
GPA: **3.67/4.00** (semester 4th)

- **Activities:** Advisor and Former activist in Binus TV CLUB, Activist in BINUSIAN Basketball.
- **Core Learning:** Deep Learning, Machine Learning, Software Engineering, Object-Oriented Programming, Data Structure, and Algorithm Programming.

SMAS Pelita Utama - Batam July 2020 - April 2023
• **Activities:** Led as the president of the Student Representative Council (MPK), and led major events as project director in the school's main event.
• **Core Learning: Mathematics and Science**

PROJECT

AndySaputraPortofolio – Personal project [React.js | TypeScript | OpenAi API](https://andysaputraportofolio.vercel.app)
<https://andysaputraportofolio.vercel.app>
I created a personal portfolio website that integrates an OpenAI-powered chatbot, providing real-time Q&A about my experience and skills. This project demonstrates the **use of AI for interactive web engagement**, enabling dynamic, conversational access to professional information.

Explore ID – University Project [React.js | Next.js \(App Router\) | TypeScript | SQL](https://exploreid-one.vercel.app)
<https://exploreid-one.vercel.app>
I built a **travel discovery web platform** using Next.js (App Router), TypeScript, and SQL database integration, developed collaboratively under **Scrum Agile methodology** with clear task divisions across sprints and weekly stand-up reviews. This iterative workflow enhanced team efficiency, ensured continuous feature testing, and yielded optimized search performance and a **responsive UI/UX design**. The platform enables users to explore destinations while promoting local tourism engagement and showcasing practical teamwork and adaptability in a real-world project.

Diebety AI Predict – University Project [Machine Learning](https://kyhr-app.streamlit.app)
<https://kyhr-app.streamlit.app>
I developed a diabetes risk prediction system utilizing Logistic Regression, Random Forests, and XGBoost, achieving approximately 90% classification accuracy and enhancing explainability through **SHAP-based feature analysis**. This project demonstrates the potential of AI to support early disease detection, enabling more proactive, data-driven health decisions for users.

SkolioCheck – University Project [Deep Learning | Computer Vision | Figma](https://github.com/Andysaputra1/Scoliovis)
<https://github.com/Andysaputra1/Scoliovis>
I developed a deep learning model that leverages the VGG16 architecture to detect scoliosis from X-ray images, thereby improving classification reliability and interpretability. This project highlights the **applicability of AI in healthcare diagnostics**, offering a cost-effective preliminary screening tool for practitioners and research institutions.

PERSONAL EXPERIENCE

Freshmen Leader – Alam Sutera

August 2025 – September 2025

Guided first-year students in adapting to university life, mentoring them through Binusian values, academic transition, and campus engagement to build confidence, connection, and motivation.

BINUS TV Club - Alam Sutera

August 2023 - December 2025

Actively contributed as a former core activist and lead technical advisor, applying hands-on expertise in technical direction, cross-functional coordination, and end-to-end post-production to support the successful execution of large-scale student-led initiatives.

Technical Advisor - Core Development (PSA, Media Journey, Glimpse of BINUSTV Club, Buram EXPO, LDKA)

- Mentored new members in technical best practices and supported project execution through hands-on guidance and feedback to ensure quality results.

Technical Coordinator

(Buram Expo)

- Managed technical setup and on-site issue resolution across divisions to ensure optimal performance and smooth event operations.

Church Community GMS - Alam Sutera

December 2023 – Present

Led youth events as Project Director, managing teams and ensuring successful execution. Also served as vice leader in a cell group, strengthening leadership and teamwork skills.

Project Director

(Reignate, Impact)

- Led end-to-end event planning and execution, managing cross-functional teams, defining roles, and ensuring cohesive coordination across all departments to achieve smooth, efficient, and impactful project outcomes.

BINUSIAN BASKETBALL – Alam Sutera

August 2024 – December 2025

Responsible for activities in the creative and fun division, focusing on digitalization and design. Created design elements for programs and social media posts, ensuring clear communication and leading coordination for the creative team.

Student Representative Council (MPK) - Batam

August 2022– December 2022

Project Director

OSIS Election SMAS Pelita Utama 2022, Christmas Dinner)

- Led the planning and execution of major school events such as the OSIS Election and Christmas Dinner, managing cross-functional teams, delegating tasks, and ensuring smooth coordination to deliver impactful, well-organized initiatives aligned with the school's values.

Skill, Achievements & Other Experience

Hard Skills: Machine Learning, Deep Learning, Python, C, Java, React.js, JavaScript, HTML, CSS, SQL, Figma

Soft Skills:

Strong leadership, teamwork, and communication skills with experience managing diverse teams and collaborating across technical and non-technical projects. Highly adaptable, organized, and solution-oriented with solid time management and problem-solving abilities.

Achievement: 2nd Place – SIM Business Plan Competition 2022 (Batam)

Languages: English, Mandarin (Basic), Indonesian, Teochew