

# Bernard Santosa

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## EDUCATION

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**Binus University** | *Bachelor of Computer Science*

*Sep 2023 - Present*

- Cumulative **GPA**: 3.91 / 4.00
- Relevant Course: Algorithm and Programming, Data Structures, Machine Learning, Deep Learning, Software Engineering, Object Oriented Programming, Database Technology

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## TECHNICAL SKILLS

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**Programming Languages:** Python, Java, C, TypeScript, HTML/CSS

**Frameworks & Libraries:** React, Flask, Scikit-learn, Pandas, Laravel, TailwindCSS

**Developer Tools:** Vite, Git, GitHub, Google Colab

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## PROJECT

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RECourse | *Python, Flask, Scikit-learn, Pandas, TypeScript, React, TailwindCSS*

*Sep 2023*

- Develop a course recommendation web app by integrating Python backend with a modern front end with React, TypeScript and TailwindCSS
- Implemented a content-based recommendation system using cosine similarity and vectorization to analyze user input and provide relevant courses. The model also uses clustering to enhance its recommendation accuracy.
- Designed and deployed a RESTful API using Flask to serve a machine learning model, creating efficient endpoint for real-time communication between frontend client and backend server.

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## LEADERSHIP

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**OSIS SAPRAS – EFATA SCHOOL (SARANA DAN PRASARANA)**

*Jan 2022 – Nov 2022*

- Managed equipment inventory and coordinated logistics for all school-wide events.
- Collaborated with student council divisions to plan and execute event technical requirements.

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## ADDITIONAL

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HCIA-AI (Huawei Certified ICT Associate - Artificial Intelligence) V3.5

*Sep 2024*

- Course certificate demonstrating foundational knowledge in AI principles, machine learning, deep learning, and industry applications using the Huawei Ascend platform.