

# Muhammad Titan Anugrah Santosa

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## PERSONAL PROJECTS

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- **Heart Disease Prediction:** Logistic regression model to predict whether the patient has 10-year risk of future coronary heart disease (CHD)
- **Stock Price Prediction:** Machine learning model to predict a signal that indicates whether buying a particular stock will be profitable or not
- **Recognizing HandWritten Digits:** Use sklearn to train an MLP model on the handwritten digits dataset
- **Web Development:** Learning web development in The Odin Project. Learning the very basics of programming starting from the command line.

## EDUCATION

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- **Universitas Padjadjaran** Indonesia  
*Bachelor of Mathematics; GPA: 3.75/4.00* *Expected graduation: 2026*
- **Relevant courses:** Calculus 1-3, Linear Algebra, Probability Theory, Mathematical Statistics

## ORGANIZATIONAL EXPERIENCE

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- **Himatika FMIPA Unpad** Jatinangor  
*Head of Science Department* *Mar 2024 - Dec 2024*
  - **Article:** Creating online mathematics article explaining about mathematical concept of Artificial Intelligence and Machine Learning.
  - **Mathematics Competition:** Leading and preparing a team of students in various mathematics competition across Indonesia.
- **AIESEC in Unpad** Jatinangor  
*Staff of Project* *Feb 2023 - Feb 2024*
  - **Partnership:** Actively searching for potential partner in the market for AIESEC in Unpad Local Project: Kata Gaia.
  - **Brand Deals:** Securing brand deals through business meeting and various networking
  - **Finance:** Managing the funding for AIESEC in Unpad Local Project: Kata Gaia 2.0.
  - **Logistics:** Ensuring logistical matters for every agenda in AIESEC in Unpad Local Project. Managing to secure operational, transportation, and consumption matters.

## PERSONAL ACHIEVEMENTS

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- **Most Outstanding Mathematics Student 2025:** Representing mathematics student in Pilmapres FMIPA Unpad 2025
- **Mathematical Modelling Competition ITB 2024 Runner-up:** Develop a model to predict the impact of seagrass in wave attenuation using Shallow-Water Equation.
- **Mathematics Calculus Competition 7.0 ITS Semi-finalist:** National calculus competition held annually by Institut Teknologi Sepuluh Nopember.
- **Sanata Dharma Caluculus League Semi-finalist:** National calculus competition held annually by Universitas Sanata Dharma.

## PROGRAMMING SKILLS

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- **Languages:** Python, Javascript, C++, HTML, CSS **Technologies:** MATLAB, Maple, ReactJS