

# MUHAMMAD SHIDDIQ WICAHYO

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As a third-year Mechatronics Engineering Education student at Yogyakarta State University, I'm passionate about Website Development, Cloud Computing, and IoT Applications. I have honed my skills in building dynamic and responsive Website Applications using React, Laravel, and MySQL. Dedicated to staying abreast of the latest industry trends and technologies. Apart from that, holding an active role in initiating and managing various activities that benefit the organization.

## Education Level

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### Universitas Negeri Yogyakarta - Kab Sleman, Yogyakarta

Aug 2021 - Sep 2025 (Expected)

#### Undergraduate in Mecahtronics Engineering, 3.25/4.00

- Course : Programming Basic C++, IoT Engineer used Microcontroller Arduino Uno
- Created a research project to detect fruit aroma with TGS sensors and transducers used Microcontroller Arduino Uno
- Achievements: 1st National Winner in "Village Empowerment and Development Program Innovation Competition (LIP3D#2)", It was attended by 107 teams with a total of 1266 students from 25 universities and 9 provinces
- Achievements: Successfully passed funding from the Community Service Student Creativity Program (PKM), which was also one of the proposals that passed out of 43K registered proposals

### SMA NEGERI 5 KOTA BOGOR - Kota Bogor, Indonesia

Aug 2018 - Aug 2021

- General Chair of the pencak silat martial arts (SILAT 5) extracurricular, with achievements of 1 gold, 2 silver at national level
- Participants in the Olimpiade Olahraga Siswa Nasional (O2SN) martial arts pencak silat national level

## Work, Training, and Bootcamp Experience

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### Ability Online Academy - Online

Mar 2024 - Present

#### Full Stack Developer Intern

- Developing website education for student namely abilityonlineacademy on the frontend side using Typescript, ReactJS, GitHub, TailwindCSS and backend side using laravel
- Collaborate with 5 interns worked on 4 sprints with the provisions of 1 sprint for 2 website slicing pages, updated tasks on Trello
- Implemented responsive web using React and Laravel that improve app performance and increased mobile users by 20%

### DBS Foundation Coding Camp 2024 - Online

Jan 2024 - Jun 2024

#### Front-End Web Developer

- Learn Basic Web Programming: Introduction to HTML, CSS and Deep CSS, Responsive Layout with Flexbox. Final project: Creating a Static Website.
- Learn to Create a Web Front-End for Beginners: Browser Object Model and Document Object Model, Interactive with Events, Data Storage with Web Storage. Final project: Data Management Using DOM and Web Storage.
- Learn Basic JavaScript Programming: Javascript Fundamentals, Data Structures, Functions, OOP (Object Oriented Programming), Functional Programming .

### Bangkit Academy by Google, GoTo, and Traveloka - Online

Aug 2023 - Jan 2024

#### Cloud Computing

#### Magang Dan Studi Independen Bersertifikat 5

- Integrating machine learning datasets with mobile application backend and authorization API using NodeJS
- Analyzing and creating mobile applications with Artificial Intelligence features as a team product capstone bangkit academy
- Project Capstone : Together with 6 student Build a mobile application called "Voyage Education", tasked with creating and authorizing APIs using NodeJS. Plan a business model strategy for the application

### Core Initiative Virtual Internship Experience by Rakamin

Feb 2023 - Mar 2023

#### Academy - Online

#### Golang For Backend

- Learn the role of a Backend Expert in a software development provider company specializing in financial technology, artificial intelligence, as well blockchain.
- Learn GoLang programming language material, SQL Operations and CRUD Tables, APIs, Unit Testing, and Deployment

## Organizational Experience

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### Google Developer Students Club UNY - Kab Sleman, Yogyakarta

Jan 2023 - Present

#### Member

- Participate in project development, apply technical skills and contribute to innovative projects that encourage technological problem solving.

- Play an active role in building a technology community on campus or nearby through social activities, regular meetings, or developing programs that broaden technological horizons.

<b>BEM Yogyakarta State University - Kab Sleman, Yogyakarta</b>	Jan 2023 - Jan 2024
<i>Staff of the Minister of National Policy Analysis and Strategic Issues</i>	
<ul style="list-style-type: none"> <li>• Conduct independent research on specific political issues, search for data, analyze trends, and dig up relevant information to support an in-depth understanding of political dynamics.</li> <li>• Build a network with political professionals, academics, or practitioners to gain broad insight into political developments and explore opportunities for collaboration or exchange of information.</li> <li>• Successfully carried out 100% of the annual work program consisting of 5 monthly online webinars, 15 incidental studies, and 1 national seminar.</li> </ul>	

<b>UNITECH 2023 - UNY National Inovation Technology - Kab Sleman, Yogyakarta</b>	May 2023
<i>Event staff</i>	
<ul style="list-style-type: none"> <li>• Apply project management skills by coordinating teams, setting targets, and managing task schedules to ensure event goals are achieved according to the established schedule.</li> <li>• Together with 5 team members serving as members of UNITECH event division, carrying out an event work program which has 2 important things, namely planning to execution</li> <li>• Play an active role in ensuring the smooth running of the event through close collaboration with 37 team members and interacting with 27 participants consisting of 6 universities, to ensure a satisfying experience</li> </ul>	

<b>PKKMB UNY 2022 - Kab Sleman, Yogyakarta</b>	Jul 2022 - Aug 2022
<i>Trainer</i>	
<ul style="list-style-type: none"> <li>• Provide briefing to students so that they can adapt more quickly to the campus environment.</li> <li>• Provide information about the education system in higher education both in the academic and non-academic fields.</li> </ul>	

### Skills, Achievements & other experience

- **Projects** (2024): Developed a humidity detection system based on the DHT11 sensor and ESP8266 microcontroller connected to a website, by designing hardware and firmware to read and transmit humidity data in real-time via Wi-Fi, and building a web interface for monitoring and analyzing the data.
- **Projects** (2024): Creating a landing page website for small businesses in Tayuban village, Yogyakarta as part of the PKM competition
- **Projects** 🕒 (2023): Project to build an NGINX web server on linux ( DBS Foundation Coding Camp )
- **Projects** (2023): The project creates a dynamic website application using Laravel with CRUD, Laravel Sanctum, and Import Export data features
- **Projects** (2023): The project build a Single Page App aplication with theme education and using laravel inertia, react technology
- **Technical Skills** 🕒 (2023): HTML, CSS, JavaScript and Framework/Library such a NodeJS, ReactJS, Laravel Basic, Arduino Basic, Google Cloud Platform
- **Webinars Attended** 🕒 (2023): ASEAN Data Science Explorers 2023 Enablement Session - SAP Analytics Cloud Training Session