

# Naufal Labib Nugroho

+62 81328980933 | naufallabibnugroho@gmail.com | [LinkedIn](#) | [Website](#) | [GitHub](#)

Semarang, ID (Indonesia Citizenship, undergraduate)

## PERSONAL PROFILE

Computer Engineering student at Universitas Diponegoro with a focus on software development and artificial intelligence. Possesses strong problem-solving and programming skills, with experience in building scalable applications using. Demonstrates solid full-stack development capabilities supported by a foundational understanding of machine learning. A collaborative team player with good communication skills and a strong enthusiasm for continuous learning and professional growth in the technology field.

## EXPERIENCE

### FREELANCE WEB DEVELOPER

Self-Employed

Remote, ID

2024 - Present

- Developed full-stack websites utilizing Laravel and Next.js.
- Integrated REST APIs and managed databases efficiently.
- Collaborated directly with clients managing the process from the design phase to final deployment.
- Conducted testing, debugging, and troubleshooting to ensure optimal performance.

### JUNIOR STAFF IT DIVISION

CV. Rekayasa Desain Manufaktur (REDESMA)

Semarang, ID

June 2025 - Desember 2025

- Developed full-stack websites utilizing Laravel.
- Involved in developing web-based systems and implementing machine learning.
- Developed prediction system for steam power plant.
- Developed image detection for early gingivitis detection app.
- Applied electronics technology in various industrial and research projects.
- Participated effectively within the Engineer (IT) Division.

## PROJECTS

### Naufal Labib Nugroho's - Portofolio Website

- Designed and developed a personal portofolio website
- Utilized : Next.js, Tailwind, Framer Motion,

### Patra Ganesha Digital Hub - Freelance Project

- Designed and developed a Content Management System (CMS) website for the Petroleum Engineering Student Association of ITB.
- Implemented core features allowing users to read, write, and manage articles, organizational activities, and association information efficiently.
- Achieved 90 scores for Performance, Accessibility, Best Practice, and SEO
- Utilized : Next.js, Tailwind, Framer Motion, GSAP, PostgreSQL, REST API

### REALTIME VIBRATION & TEMPERATURE MONITORING - Part Time

- Designed and developed a monitoring website based on event-driven architecture to display real-time machine vibration and temperature data from sensors.
- Built a machine learning model to study machine vibration data patterns and predict potential failures to support preventive maintenance.
- Utilized : Laravel, Python, FAST API, Node-RED,

### 23FLEX - School Project

- Built a web-based platform for logging gym activities and tracking workout progress
- Utilized : Laravel, Python, FAST API, Node-RED,

## TECHNICAL SKILL

- Languages: Skilled in TypeScript, PHP, Python; Familiar with C++, Dart
- Frameworks: Laravel, Next.js, FastAPI
- Design Tool : Figma

## EDUCATION

### UNIVERSITAS DIPONEGORO

Major in Computer Engineering

Cumulative GPA: 3.91/4.00

Relevant Coursework : Object-Oriented Programming; Database Systems; Database Programming; Software Engineering; Artificial Intelligence

Semarang, ID

2023 - Present

## ACTIVITIES AND ORGANIZATIONS

### Computer Engineering Research Club (CERC)

Chairman

Semarang, ID

2023 - Present

- Lead the club's strategic direction and manage overall operations.
- Organize and oversee student mentoring programs to enhance members' technical skills.

### The ACE 2025: Competition Series

CHIEF ORGANIZER

Semarang, ID

September 2025

- Led the end-to-end planning, management, and execution of three main competitions: UI/UX Design, Capture the Flag, and Line Follower.
- Successfully managed and facilitated the event for over 130 teams, comprising more than 300 total participants.
- Coordinated multiple committees and divisions to ensure smooth operations, logistics, and event budgeting.