

# NOVAL ALTHOFF

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I am a final year Informatics Engineering student with a stellar GPA of 3.92/4.00, recognized as one of the best students in the excellence class for my technical skills and programming knowledge. I have actively contributed to and collaborated on numerous software development and data science projects. Additionally, I have over 2 years of industry experience as a full-stack web developer and mobile developer, demonstrating my ability to excel in both academic and professional environments.

## PROFESSIONAL EXPERIENCE

### Revolutic Media Tech - Semarang, Indonesia

Aug 2024 - Present

*Senior Web Developer*

Accomplishments:

- Consistently demonstrated expertise in web development, effectively tackling complex technical challenges.
- Maintained high standards of quality in product development, ensuring top-notch outcomes.
- Ensured ongoing projects were completed as cohesive, high-quality products on schedule.

### Universitas Dian Nuswantoro - Semarang, Indonesia

Sep 2023 - Present

*Data Science Research Assistant*

Accomplishments:

- Played a pivotal role in improving the overall educational experience for data science students.
- Refined existing teaching materials to make them more accessible and beginner-friendly.
- Initiated research to prepare students for their final capstone projects, guiding them through topic selection and development.
- Conducted assessments to evaluate student progress and understanding.
- Conducted collaborative research with the lecturer, contributing to the advancement of knowledge in the field.

### PT. Estu Lentera Indo Teknologi - Semarang, Indonesia

Mar 2023 - Jul 2024

*Fullstack Web Developer*

Accomplishments:

- Successfully took on additional responsibilities beyond web development, demonstrating adaptability and capability.
- Seamlessly transitioned into mobile development, showcasing quick learning and technical proficiency.
- Effectively managed both web and mobile development projects, ensuring high-quality outcomes.
- Contributed to significant cost savings for the company by handling multiple roles, reducing the need for additional hires.
- Demonstrated strong technical skills across both web and mobile platforms.
- Played a key role in enhancing the company's operational efficiency through versatile skill application.
- Consistently exhibited a commitment to meeting organizational goals and driving overall success.
- Gained proficiency in cross-platform development, adding value to the company's technical capabilities.

**Universitas Dian Nuswantoro - Semarang, Indonesia**

Nov 2022 - Mar 2023

*Web Developer Intern*

Accomplishments:

- It's my first professional experience as software developer.
- Dove into learning technologies like HTML, CSS, JavaScript, PHP, and Laravel Framework.
- Gain valuable experience working as part of a software development team, where I built solid teamwork skills.

**SENANDIKA Coffee & Chill - Semarang, Indonesia**

Mar 2021 - Mar 2023

*Head-barista*

Accomplishments:

- Played a key role in the smooth and successful launch of the company.
- Successfully managed and trained new staff, ensuring they uphold the company's values.
- Contributed to increased sales and revenue through effective upselling and customer engagement strategies.
- Maintained high standards of customer service, leading to increased customer satisfaction and repeat business.
- Enforced strict quality control measures to ensure all beverages met company standards.
- Successfully resolved customer and staff issues, maintaining a positive and professional atmosphere.

**Sankara Coffee - Semarang, Indonesia**

Sep 2020 - Mar 2021

*Barista*

Accomplishments:

- Maintained high standards of service and operations, ensuring excellent customer service.
- Demonstrated the ability to lead by example, maintaining excellence in a fast-paced, customer-focused environment.
- Earned the trust and confidence of the employer through reliable performance.

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## PROJECT EXPERIENCE

**Orbs-Medica (Clinic Management System)**

Jan 2024 - Present

*Developer*

Our clinic management system will streamline the administrative and clinical operations of healthcare facilities. Featuring patient scheduling, electronic health records, billing, and reporting, the system enhances efficiency and improves patient care.

- Tech stack: HTML, CSS, JavaScript, PHP, Laravel, MySQL
- App URL (<https://www.orbs-medica.com/>)

**Diawan (Web IoT Platform)**

Mar 2023 - Jul 2024

*Developer*

A web-based IoT platform that provides a comprehensive solution for monitoring, reporting, and controlling IoT devices. With real-time data visualization and advanced analytics, users can gain valuable insights into device performance and environmental conditions.

- Tech stack: HTML, CSS, JavaScript, PHP, Laravel, MySQL, Firebase, Node.js
- App URL (<https://diawan.io/>)

**Autentik (Mobile IoT Platform)**

Dec 2023 - Jul 2024

*Developer*

Our mobile IoT platform app, developed in response to a partner company's request, provides seamless monitoring, reporting, and control of IoT devices directly from a smartphone.

- Tech stack: Dart, Flutter, Firebase, Node.js
- Google Play Store ([https://play.google.com/store/apps/details?id=com.application.autentik&pcampaignid=web\\_share](https://play.google.com/store/apps/details?id=com.application.autentik&pcampaignid=web_share))

**UCI Heart Disease (Machine Learning Classification Project)**

Nov 2023 - Jan 2024

*Initial Contributor*

Originally researched for student's final capstone project, this project has been significantly enhanced to improve accuracy and visualization. Furthermore, a comprehensive machine learning application has been developed, enabling users to interact directly with the trained model.

- Tech stack: Python, pandas, Matplotlib, seaborn, Streamlit
- Dataset URL (<https://archive.ics.uci.edu/dataset/45/heart+disease>)
- Github Repository Development (<https://github.com/novalalthoff/uci-heart-disease-classification>)
- Github Repository Production (<https://github.com/novalalthoff/uci-heart-disease-classification/tree/main/app>)
- App URL (<https://uci-heart-disease-classification.streamlit.app/>)

**COVID-19 Dashboard (Tableau Interactive Dashboard)**

Feb 2024

*Author*

My COVID-19 dashboard provides latest insights (Jan 2024) into the pandemic's progression. Featuring dynamic charts, maps, and graphs, the dashboard allows users to track infection rates, vaccination progress, and other critical metrics globally and locally.

- Tech stack: Tableau, SQL, Microsoft Excel
- Dataset URL (<https://ourworldindata.org/covid-deaths>)
- Dashboard URL ([https://public.tableau.com/app/profile/noval.althoff/viz/CovidDashboard\\_17079773500950/Dashboard1](https://public.tableau.com/app/profile/noval.althoff/viz/CovidDashboard_17079773500950/Dashboard1))

**Indonesian Speech Recognition (Speech-to-Text Project)**

May 2024 - Present

*Contributor*

This project aims to convert spoken Indonesian audio inputs into text format accurately and efficiently. As part of a larger endeavor, it contributes to the development of a comprehensive academy-based large language model.

- Tech stack: Python, TensorFlow, PyTorch

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## EDUCATION

**Universitas Dian Nuswantoro - Semarang, Indonesia**Aug 2021 - Jan 2025 (*Expected*)*Bachelor Degree in Informatics Engineering, GPA: 3.92/4.00 (Last GP: 4.00/4.00)*

- Area of Interest: Machine Learning, Natural Language Processing, Artificial Intelligence, Deep Learning, Large Language Modeling

**PKN STAN - South Tangerang, Indonesia**

2017 - 2019

*Associate Degree in Accounting (Unfinished)*

*High School, majoring in Science*

- Dedicated most of my time to participating in local and regional music festival competitions.
  - Having successfully conquered the college admission test, I received acceptance offers from two prestigious universities in Indonesia. Universitas Gadjah Mada (*Bachelor Degree in Information Technology*) and PKN STAN (*Associate Degree in Accounting*).
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## **SKILL SET & OTHER EXPERIENCES**

- **Programming Language:** Python, SQL, HTML, CSS, JavaScript, TypeScript, PHP, Dart, Java, C, C++
- **Framework:** Laravel, Bootstrap, Tailwind CSS, React.js, Next.js
- **CI/CD:** Git
- **Soft Skills:** Communicative, Collaborative, Adaptive, Fast-learner, Problem Solving, Critical Thinking, Attention to Detail, Resilience