

# AHMAD ARSY

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## Frontend Engineer

Universitas Indonesia Physics Student (expected graduation August 2024) Key interests include Web Engineering, Machine Learning, and Data Science. National Physics Olympiad Gold Medalist, and International Physics Honorable Mention. Flexible and open to learn other skills that may better fit the job.

React JS | Tailwind CSS | Python | SQL | Node Js | Firebase | Git

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### RELATED EXPERIENCE

#### RESUME BUILDER ([Live App](#))

Aug 2022

- Designed and implemented an ATS Friendly CV Maker using React JS and Tailwind CSS in 2 weeks' timeframe as a sole Front End and Back End Developer.
- Enabled users to make a professional ATS Friendly CV with sections such as General, Educations, Experiences, and Additional Information, and directly download it in PDF Format.

#### WEATHERING WITH YOU ([Live App](#))

Jul 2022

- Designed and implemented Web-Based Weather Forecast Application using Vanilla JavaScript and Fetch API in a one day's time as a sole Developer.
- Enabled users to get the next 5 days weather of a desired city all around the world, complete with a hand-picked custom background based on the current time and weather.

#### WHITEPINK TODO LIST ([Live App](#))

Jun 2022 – Jul 2022

- Designed and implemented a Web-Based Todo List Application using Vanilla JavaScript, localStorage, and Object-Oriented Paradigm in 2 weeks' timeframe as a sole developer.
- Enabled users to create a to do list and save them even when the browser is refreshed or closed. Users can also create custom projects to bundle said to do list.

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### EDUCATION

#### Universitas Indonesia

Bachelor of Science

Major in Physics; Interest in Instrumentational Physics and Machine Learning

Cumulative GPA: 3.95/4.00

Relevant Coursework: Embedded System, Computational Physics, Electronics 1, Electronics 2, Introduction to Data Science, Elementary Linear Algebra, Calculus 1, Calculus 2, and Mathematical Methods

Depok, West Java

Expected July 2024

#### The Odin Project

Online Full Stack Development Course

Relevant Coursework: HTML and CSS Foundations, Intermediate HTML and CSS Concepts, CSS Flexbox and Grid JavaScript Basics, Object Oriented Programming in JavaScript, Asynchronous JavaScript and APIs, A Bit of Computer Science, Testing JavaScript, Intermediate Git, React JS, Animation, Accessibility, and Responsive Design.

Depok, West Java

Expected February 2023

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### ADDITIONAL EXPERIENCE

#### SARANA PELAJAR

Depok, West Java

#### Physics High School Tutor

Jan 2022 – Des 2022

- Tutored High School Graduates in preparation for the university entrance exam such as Universitas Indonesia and Universitas Gadjah Mada
- Taught students the full 3 years high school physics curriculum in 3 months' time.
- Provided high school students with a conceptual and practical approach to help them understand the fundamental principles in Physics

Depok, West Java

## **GEROBAK SENI ASRAMA UI**

### **Treasurer**

Aug 2022

- Organized a campus level Art Festival attended by 500+ spectators in the Universitas Indonesia Dormitory, with guest stars such as Budi Cilok, KMF, and Mantra
- Decreased the budget spent by 60% from the initial plan, without the use of external sponsors or fundraising
- Planned and executed the whole event in just 7 days' time

## **GREDU**

Depok, West Java

### **Content Creator**

Nov 2021 – Dec 2021

- Collaborated with a team of 4 to make a full Mathematics Curriculum Questions for the newly formatted Computer Based National Test (UTBK)
- Developed Higher Order Thinking Skills (HOTS) questions for High School Graduate Level Mathematics in Trigonometry and Quadratic Equation.
- Produced up to 50 questions in one month's time, the highest in the team.

## **PESTA RAKYAT FISIKA**

Depok, West Java

### **Vice Head of Competition**

Apr 2021 – Nov 2021

- Organized a national level online Physics Olympiad with 100+ participants from high schools all around Indonesia.
- Created and oversaw the creation of Olympiad Level Questions for said competition.

## **SKILLS AND AWARDS**

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**Technical Skills:** HTML, CSS, JavaScript, React, Tailwind CSS, Firebase, Python, Git, Matlab, SQL

**Languages:** Fluent in Indonesian, Conversational in English

**Awards:** Gold Medalist of National Physics Olympiad by Kemdikbud (ONMIPA) (2021), 1<sup>st</sup> Winner of National Physics Olympiad in Institut Teknologi Bandung (EUREKA!) (2022), Honorable Mention of International Distributed Physics Olympiad by Russia (2020)