

# Ammar Ash Shiddiq

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As a highly motivated computer science student, I possess a strong interest in exploring the ever-changing technological landscape. I am actively seeking opportunities to gain in-depth experience, particularly in the realm of software engineering.

## EDUCATION

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### Bachelor of Computer Science, Universitas Indonesia

2021 – Present

- Relevant Coursework: Data & Structure Algorithm, Algorithms Design & Analysis, Operating System, Platform Based Development, Database, Advanced Programming, Software Engineering Project

## WORKING EXPERIENCES

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### Full-Stack Developer Intern

Sep 2023 – Nov 2023

#### Naf Karya Indonesia

- Developed and maintained back-end & front-end functionalities using MySQL, NodeJS, and ReactJS.
- Ensured code clarity and adhered to a structured RESTful API documentation format, maintaining comprehensive records for all implemented features and functionalities.
- Individually led and executed the end-to-end development of Jesara Koin, taking sole responsibility for the back-end implementation, which enables users to claim orders and convert them into points for voucher redemption.

### Teaching Assistant for Foundation of Programming II

Jan 2023 – June 2023

#### Faculty of Computer Science UI

- Conducted lab sessions to help 20+ students understand programming concepts and debug their Java assignments for 4 months.
- Coordinated with 3 other teaching assistants to ensure consistent grading and feedback across all sections of the course

### Python Mentor Volunteer

July 2022 – Aug 2023

#### DDP-0

- Mentored a group of 4 new faculty students for a duration of 2 months in Python programming.
- Reviewed and provided evaluations for the task reports submitted by 4 mentees during the mentoring.

## PROJECTS & CERTIFICATIONS

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### Revamping Siasisten

- Designed and implemented the Scrum framework in the development process for 4 months
- Increased the code coverage by 85% using ReactJS

### ACB-ISBE Web & Mobile App Version

- Designed and developed an app to enable 1600+ conference participants to access various information of the conference using Python Django framework and Flutter.
- Managed the design and processing of the 500+ app's data, and created a robust search feature

### Cluster Analysis of Portland Trailblazer Seasons

- Performed web scraping from basketball-reference.com and pre-processed 1000+ data so it can be analyzed
- Visualize the result of the most optimal clustering using KMeans by Streamlit library

### BTPN Syariah Data Engineer Virtual Internship Experience Program

- Acquired proficiency in T-SQL, SQL, and MySQL through hands-on training and real-world data engineering tasks.
- Gained practical insights into data processing techniques essential for meeting business objectives, specifically in the context of banking company, enhancing data engineering skills

## SKILLS

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**Programming Language:** (Proficient) Python, Java, SQL, Javascript | (Familiar) Kotlin, Dart

**Front-end:** ReactJS, TailwindCSS, Bootstrap

**Back-end:** Django REST Framework, NodeJS, Passport.js, Spring boot

**Tools:** Git, Figma, Linux, VScode, Android Studio, IntelliJ