

AHMAD ZAINURAFI ALFIKRI

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SUMMARY

I am an undergraduate Computer Science student at Universitas Gadjah Mada, Faculty of Mathematics and Natural Sciences. I am hard-working, enthusiastic, and adaptive, and I enjoy learning new things and tackling challenging problems. I regularly play CTFs every weekend, both in national and international competitions. I am highly interested in **cybersecurity**, **back-end development**, and **cloud computing**.

EDUCATION

Undergraduate in Computer Science

2023 – Present

Universitas Gadjah Mada, Faculty of Mathematics and Natural Sciences
Sleman, Special Region of Yogyakarta

Science Program (SMA)

2020 – 2023

SMA Negeri 1 Batam
Batam, Riau Islands

ACHIEVEMENTS

- **3rd Place** – FIK cup CTF, National, 2025
- **Finalist** – Cyber Breaker Development CTF, National, 2025
- **Finalist** – Rise The Ranger TNI CTF, National, 2025
- **Finalist** – Srifoton CTF, National, 2025

PROJECTS

• **Batam Campus Expo Website**

Web application for Batam Campus Expo event, built using modern web technologies such as React.js, Express.js, dan MySQL.
Github

• **CTF Writeups**

GitBook documenting solutions to CTF challenges (web exploitation, reverse engineering, binary exploitation, etc.) with clear methodology and reproducible steps.
Github – Live Website

• **Personal Portfolio Website**

Static portfolio site to showcase profile, projects, achievements, and CTF writeups, built with React.js and Tailwind css.
Github – Live Website.

• **Loax App**

A fullstack app to help people sell and buy secondhand goods easily, built with Next.js, Express.js, MySQL, and Docker.
Github – Live Website.

SKILLS

Cybersecurity & Tools

Linux OS, Bash, networking fundamentals (TCP/IP, HTTP), Ghidra, Burp Suite, Wireshark, FTK Imager, Autopsy

Programming & Scripting

C++, C, Python, Java, JavaScript, Assembly x86

Web Development

HTML, CSS, JavaScript, Express.js, Node.js, React.js, Next.js

Version Control

Git, GitHub

EXPERIENCE

Cybersecurity Division

Head

OmahTI UGM

- Led a 10-member cybersecurity division focusing on offensive security and CTF preparation.
- Designed and delivered weekly hands-on training on web exploitation, binary exploitation, forensics, reverse engineering, and cryptography.
- Coordinated internal CTF practices and sharing sessions to improve team skills and collaboration.

Cybersecurity Division

Senior Staff

KOMATIK UGM

- Coordinated cybersecurity-related projects and mentoring activities for junior members.
- Prepared and presented weekly modules covering fundamental and intermediate cybersecurity.
- Assisted members in understanding write-ups and building methodology for solving CTF challenges.

IT Division

Staff

KPUM UGM

- Managed technical operations for online events using Zoom, Google Meet, and OBS for YouTube livestream.
- Ensured smooth execution of two major online events and meetings by monitoring streaming quality and troubleshooting technical issues.

Equipment and Logistics Division

Staff

Awak Gadjah Mada

- Managed inventory, setup, and teardown of technical equipment for more than five organizational events.
- Coordinated logistics to ensure events ran efficiently and on schedule.

Web Development Team

Web Developer

2025

Batam Campus Expo

- Built and maintained a RESTful API using Express.js and Node.js to power the event's digital ticketing and registration system (1000+ participants).
- Designed and implemented a MySQL database schema to store attendee data efficiently and reliably during peak registration and check-in.
- Implemented JWT-based authentication and basic access control to protect admin endpoints and sensitive participant information.