

# AHMAD ZAINURAFI ALFIKRI

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usupek-portfolio.vercel.app

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## SUMMARY

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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

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<b>Undergraduate in Computer Science</b> Universitas Gadjah Mada, Faculty of Mathematics and Natural Sciences Sleman, Special Region of Yogyakarta	2023 – Present
<b>Science Program (SMA)</b> SMA Negeri 1 Batam Batam, Riau Islands	2020 – 2023

## ACHIEVEMENTS

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- **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

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- **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

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<b>Cybersecurity &amp; Tools</b>	Linux OS, Bash, networking fundamentals (TCP/IP, HTTP), Ghidra, Burp Suite, Wireshark, FTK Imager, Autopsy
<b>Programming &amp; Scripting</b>	C++, C, Python, Java, JavaScript, Assembly x86
<b>Web Development</b>	HTML, CSS, JavaScript, Express.js, Node.js, React.js, Next.js
<b>Version Control</b>	Git, GitHub

## EXPERIENCE

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### 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 Gajah 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.