ZIKRI ZULFA AZHIM

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SUMMARY

Third-year Computer Engineering student at Universitas Indonesia with hands-on experience in backend development, AI-based applications, and cybersecurity. Experienced in handling full-cycle development—from modeling systems with ERD/UML to deploying secure REST APIs using Node.js and Express. Equipped with skills in data analysis and dashboarding, as demonstrated in internship and academic projects. Certified in ethical hacking and computer networking, with a strong interest in building secure and impactful software solutions.

WORK EXPERIENCE

PT Chateraise Indonesia Manufacturing   **Bogor, Indonesia**
Website Development Internship   **(March 2025 – Present)**
- Developed and maintained backend services for an employee management system using Node.js and Express.
- Implemented secure authentication and role-based authorization using JWT.
- Secured user credentials by applying bcrypt hashing for password protection.
- Built a secure OTP-based password reset system using Nodemailer, improving account recovery reliability.
- Designed and implemented check-in/check-out functionality, ensuring secure data logging and access control.

PT Inovasi Lentera Cipta Kreasi   **Jakarta, Indonesia**
Junior Data Scientist Internship   **(February 2025 – June 2025)**
- Cleaned and transformed raw datasets using Python (Pandas, Scikit-learn) and Excel for further analysis.
- Conducted Exploratory Data Analysis (EDA) and visualized key insights using Tableau and Looker Studio.
- Developed interactive dashboards to support data-driven decisions for evaluating the IUP Program across state universities in Indonesia.
- Presented findings and visualizations with actionable recommendations.

Projects

Nurture – Mental Health Based Website for High Students   **Depok, Indonesia**
                                                                    (October 2024 – December 2024)
- Built a mental health-focused web platform using **React**, **Express.js**, and NeonDB.
- Designed intuitive and modern UI using Vite, Tailwind CSS, and Lucide icons.
- Modeled and structured the backend system with ERD, UML, and Flowchart diagrams as part of a comprehensive database system design.
- Developed key features such as a stress tracker, personal journal, study planner, and chatbot for mental health consultations.

Let's Do It – Web-Based To-Do Management Platform   **Depok, Indonesia**
                                                                    (May 2024 – June 2024)
- Created a collaborative task management system using React and Express.js with a PostgreSQL database.
- Applied Vite, Tailwind CSS, and clean component design for a simple-to-use frontend UI.

- Designed the full system workflow using UML, ERD, and flowcharts to map data relationships.
- Enabled features such as role-based access, individual and shared to-do lists, and seamless task tracking for both employees and supervisors.

CERTIFICATE

- Ethical Hacker, Cisco
- English Proficinecy Test (EPT), Universitas Indonesia
- Uji Kemahiran Bahasa Indonesia, Badan Pengembangan dan Pembinaan Bahasa Kementerian Pendidikan, Kebudayaan, Riset, dan Teknologi Republik Indonesia
- English Course, English First
- Enterprise Design Thinking Practitioner, IBM
- CCNAv7: Switching, Routing, and Wireless Essentials, Cisco

EDUCATION

Universitas Indonesia   **(2022 – Present)**
Computer Engineering Bachelor Program **–** GPA 3.76
- Teaching Assistant for Linear Algebra (February 2024 – May 2024)

SMAN 13 Jakarta   **(2018 – 2021)**
Nature Science Program (IPA) – Average Score 89.00

SKILLS

- **Vulnerability Scanning Tools**: OWASP ZAP, Nmap, Dirbuster
- **Languages:** Indonesian (Native), English (Intermediate)
- **Programming Languages:** SQL, JavaScript, HTML, CSS, Node.js, React, Vite
- **Soft Skills:** Problem Solving, Teamwork, Project Management