

VINKA ALREZKY AS

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Computer Science student with strong interest in **software security, system analysis, and product development**. Skilled in translating business requirements into technical solutions, managing projects, and implementing secure, reliable systems. Actively engaged in **teaching assistance** and **mentoring**, fostering peer learning and collaboration in technical subjects. Also involved in **social impact projects**, applying technology and leadership skills to support education and community empowerment initiatives.

EDUCATION

Bachelor of Computer Science Aug 2022 - Present
Universitas Indonesia, Depok

- Relevant Courseworks: Software Engineering Project, Computer Network, Systems Programming, Cryptography & Information Security, Web Application Architecture, Platform-Based Programming, Advance Programming, Database, System Interactions

EXPERIENCE

Otoritas Jasa Keuangan Jul 2025 - Present
System Analyst Intern

- Supported the migration from **SIJINGGA to SPRINT**, producing user guides, documentation, and tutorials that **improved adoption** and **reduced onboarding issues** for internal and external stakeholders
- Conducted **system analysis** and created **mockups** for the Otoritas Jasa Keuangan – Bank Indonesia **Integrated Licensing Portal**, enabling clearer **process visualization** and **strengthening inter-agency coordination**.
- Contributed to **SPRINT Corner CRM**, streamlining **complaint handling workflows** and supporting **monitoring dashboards** to improve **response efficiency**.
- Participated in **user acceptance testing (UAT)** and **data profiling**, identifying **functional gaps** and ensuring **regulatory compliance**, which enhanced overall **system reliability**.

PT. Amarta Mikro Fintek Aug 2024 - Aug 2025
STEAM Fellowship

- Selected** as one of **50 fellows across Indonesia** through competitive nationwide selection.
- Completed **weekly industry-focused sessions** on **STEAM innovation** frameworks, **business planning**, and emerging **technology** trends.
- Participated in an offline bootcamp to strengthen **critical thinking** and **leadership skills** through case studies, collaborative challenges, and peer-led seminars.
- Contributed to the **Safe Home social project**, supporting survivors of gender-based violence by collaborating on **stakeholder coordination**, **co-designing** platform features, facilitating **prototype** workshops, and preparing documentation of lessons learned and prototype variables to inform future development.

Faculty of Computer Science, Universitas Indonesia Jan 2025 - Jun 2025
Teaching Assistant of Calculus 1

- Created** and **graded problem sets & quizzes**, offering **constructive feedback**.
- Provided **one-on-one guidance**, helping students improve their **understanding** of core concepts.

Teaching Assistant of Platform-Based Programming Jul 2024 - Dec 2024

- Guided 16 students** through **tutorial sessions**, assisting with exercises and **practical applications**.
- Evaluated assignments**, providing constructive **feedback** to support student understanding and progress.
- Offered **mentoring** and **technical support** to help students overcome challenges.

Foundations of Programming with Python Jul 2023 - Sep 2023
Programming Mentor

- Provided **personalized support** and **guidance** to mentees, helping them navigate **Python programming** and campus life at Fasilkom UI.
- Taught **programming concepts** and facilitated **practical applications** to strengthen technical skills.
- Conducted regular mentoring sessions**, addressing mentees' concerns and questions.
Reviewed and provided feedback on mentees' assignments, ensuring their understanding and progress.

PROJECTS

PantauTular

- PantauTular is an infectious disease monitoring platform developed in collaboration with BRIN. The project involved building the platform's frontend and backend systems from the ground up, including the development of core features for monitoring and visualizing infectious disease data across Indonesia. Implemented using **Scrum methodology**, the project emphasized managing **product requirements**, structuring development timelines, and **guiding the team** through iterative sprints. Close **collaboration with stakeholders** ensured alignment of objectives and the timely, **successful delivery** of the platform.

Cryptographic File Security System

- Cryptographic File Security System is a **secure file encryption** and **decryption** application designed to **safeguard** diverse file types. The system was developed using RSA with OAEP padding and CRT optimization, combined with SHA-256 hashing for data integrity. A user-friendly graphical interface was implemented to enhance usability, and the application was successfully tested with text, images, audio, video, executables, and documents. The project highlights **strong application of cryptographic principles** and **secure programming practices**.

DailyKind

- DailyKind is a mobile application developed for the GEMASTIK XVIII Software Development competition to **support mental wellbeing** and **positive habit-building** among young adults. The platform features an **AI companion chatbot**, weekly kindness challenges, and a community sharing space enhanced with gamification. Built with Flutter and Express.js, and integrated with AI-driven content moderation, DailyKind was validated through **usability testing** to ensure accessibility, engagement, and emotional safety.

LeCI

- LeCI is a rental vehicle application with a strong focus on **security**. Key features were developed by integrating authentication and authorization mechanisms, while **secure coding practices were applied** across both backend and frontend components. The project was implemented in alignment with **OWASP security standards** to ensure robust protection and reliability.

Computer Network Case Study – PT. Amarta Mikro Fintek

- Developed and documented a comprehensive **network infrastructure proposal** by analyzing PT. Amarta Mikro Fintek’s **system requirements**. Designed a detailed **network topology** and outlined **implementation strategies** aimed at enhancing connectivity, strengthening security, and ensuring scalability.

BookMate

- BookMate is an innovative dating application that matches users based on their book preferences, featuring both web and mobile versions. The **web platform** was developed using Django, while the **mobile application** was built with Flutter. Recognized as the **best project** in both web and app categories within the cohort, BookMate included a matchmaking feature designed to enhance user engagement and personalization.

Buku.ID

- Buku.ID is an e-commerce platform developed using Spring Boot and Google Cloud Platform. The project included the implementation of cart and checkout functionalities across both backend and frontend domains. Emphasis was placed on **software design** with **design patterns** and **SOLID principles**, **software quality** through clean code, secure coding, testing, and profiling, as well as **software architecture** involving concurrency, asynchronous processing, and high-level networking. Deployment was supported by CI/CD pipelines, automated deployment, containerization, and monitoring to ensure system stability and performance.

HearTogether

- HearTogether is a prototyping project aimed at **enhancing communication** for individuals with hearing impairments. The project involved **conducting user research** and **interviews** within the deaf community to **identify needs** and **challenges**. Using Figma, user interfaces were designed and iteratively refined to facilitate better interaction and promote inclusivity.

ACADEMIC ACHIEVEMENTS

- Amarta STEAM Fellowship Scholarship 2024 Awardee
- Best Web Application and Best Android Application in the Platform Based Development course 23/24 [2023]
- The 1st Winner of “Quiz Question” of English Expo 2019 “Break The Impossible” se-Indonesia Timur [2019]
- Silver medalist of Pekan Olimpiade Sains Nasional (POSN) [2022]
- Silver medalist of Ajang Juara Cup third edition [2022]

SKILLS

Technical Skills

- Programming Languages: Java, Python, Javascript, Typescript, Rust, Dart
- Web Development: HTML, Tailwind CSS, React, Next.js
- Frameworks and Libraries: Django, Flutter, Spring Boot, Express.js
- Database Management: PostgreSQL, MySQL
- Tools and Technologies: Git, Postman, AWS, GCP, Notion, Jira, Microsoft Office (Word, Excel, PowerPoint, Outlook)
- Design and Prototyping: Figma, Canva

Soft Skills:

- Adaptability, Time Management, Team Collaboration, Communication, Problem-Solving, Analytical Thinking

Languages:

- English (Proficient), Indonesian (Native)

CERTIFICATIONS AND TRAINING

Introduction to Back-End Development	Jun 2023
Meta	
Hak Cipta Program Komputer Aplikasi BookMate & DailyKind	Dec 2023
Kementerian Hukum dan Hak Asasi Manusia Republik Indonesia	
Certificate of Achievement - Bank Mandiri Mobile Apps Developer	
Project Based Internship Program	Jul 2024
Rakamin Academy	