Nadia Rahmadina Aristawati

📍 Jakarta, Indonesia • nadiarahmadinaaristawati@gmail.com
linkedin.com/in/nadiarahmadinaa • GitHub: github.com/nadiarahmadinaa • Website: nadia.mydiyow.site

EDUCATION

University of Indonesia, *Bachelor of Computer Science*
August 2023 – Present (Expected graduation: 2027)
- Current GPA: 3.95 / 4.00

EXPERIENCES

IT Consultant — Aurorasoft
July 2025 – Present
- Customized Bitrix24 PHP backend to align with client-specific business processes and logic.
- Created and presented pitch decks to clients, securing buy-in and successful CRM adoption.
- Managed client communications and led end-to-end CRM implementation, including technical documentation and post-deployment support.

IT Project Intern — PT Astra International Tbk
June - August 2025
- Increased AI response precision by 30% through workflow enhancements and prompt optimization.
- Developed and maintained Selenium-based automated test suites for AI regression testing.
- Cleaned and organized Excel datasets to deliver accurate inputs for RAG-based AI systems.

Junior Software Developer — Harbour Energy
June - July 2025
- Designed UI/UX and developed responsive frontend for a Chemical Registry web platform.
- Implemented automated regression testing using Pytest and Selenium, integrated within CI/CD pipelines to ensure deployment reliability.
- Resolved bugs and developed features across infrastructure, backend, and frontend.

Lead of Network, Security, and Operating System Special Interest Group — RISTEK
February 2025 - Present
- Led technical deep-dives and projects digital forensics, networking, and penetration testing.
- Created CTF tools and automated scripts for network analysis using Bash and Python.
- Mentored members on TCP/IP protocols, packet analysis, and system security.

IT Intern — Jakarta Smart City
June – August 2024
- Developed a full-stack automation platform (Django & Tailwind) to streamline webinar logistics.
- Ensured secure authentication and ensured accurate data synchronization across workflows.

Scientific Committee of CTF (Capture The Flag) Competition — COMPFEST 16
April 2024 – Present
- Conducted workshop with 100+ attendees on PCAP analysis, digital forensics, and network traces.
- Designed digital forensics CTF challenges simulating real-world attacks involving memory dumps (Windows, Linux, Android), suspicious file transfers, and steganography.

SKILLS & ABILITIES

Technical
- **Programming Languages**: Python, Java, C (basic), JavaScript
- **Frameworks and Tools**: Django, PostgreSQL, ReactJS, Spring Boot, Tailwind CSS, Git, Docker
- **Specializations**: Full-stack Web Development, Cybersecurity (CTF, Digital Forensics, Web Exploitation), Internet of Things (IoT)
- **Courses & Certifications**: Computer Science Course (Codecademy), Pentesting Bootcamp (RedLimit), IT GRC Mentorship (Women in Tech Security)

Nadia Rahmadina Aristawati

📍 Jakarta, Indonesia • nadiarahmadinaaristawati@gmail.com
linkedin.com/in/nadiarahmadinaa • GitHub: github.com/nadiarahmadinaa • Website: nadia.mydiyow.site

Languages
- **Indonesian**: Native
- **English**: Fluent, 617 / 677 on TOEFL ITP, 150 / 160 on Duolingo English Test

PROJECTS

Digital Twin Monitoring Dashboard — Smart Home System
Team Project (4 members), Embedded Systems Course
- Built a real-time smart home dashboard using digital twin tech for automated monitoring and control.
- Integrated Arduino and AVR ATmega microcontrollers using serial and internet-based communication.
- Automated temperature and humidity controls based on environmental readings.

Tech Stack & Components: Arduino, AVR ATmega, Microchip Studio, Python

Kepepet — Secure E-Wallet Mobile app
Team Project (5 members), Secure Software Development Course
- Built a secure e-wallet application for transferring within the system using cashtag and QR.
- Simulate bank transfers, implemented Google CAPTCHA, and domain-based email OTP sender.
- Created CI/CD pipeline flow, deployed on kubernetes, with dockerized environment and handle communication between 3 containers (Front-end, API, Bank simulator).

Tech Stack & Tools: Django, Gitlab, Docker, ReactJS, REST API, Kubernetes

RIZZerve — Restaurant Management System
Team Project (5 members), Advanced Programming Course
- Developed a full-stack restaurant management system with a Spring Boot backend and ReactJS frontend.
- Utilized Supabase as the primary database for scalable data handling.
- Configured CI/CD pipelines via GitHub Actions and deployed on AWS EC2 using Docker containers.
- Integrated system monitoring and visualization with Prometheus and Grafana.

Tech Stack & Tools: Spring Boot, Github, Docker, ReactJS, REST API, AWS EC2, PostgreSQL, Prometheus, Grafana.

HONORS & AWARDS

Runner-up – *World Innovations Day Hackathon* (May 2021)
- Led a team of 5 in developing and pitching a web-based solution in accordance to SDG #3 (Good Health and Well-being).

Semifinalist – *Indonesian Digital Tribe Hackathon* (May 2022)
- Led a team of 4 to construct an app and IoT-based start-up idea in the agricultural sector, benefiting Indonesian farmers.

Presenter – *2nd International Conference on Research and Development* (Nov 2022)
- Co-wrote and presented a research paper: *"Designing Plant Monitoring System using Arduino."*