Rayya Al Ghazali Efendi

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Computer Science student at BINUS University with a strong passion for software engineering. Experienced in tackling real-world problems through academic projects and collaborations. Actively involved in communities like the Bina Nusantara Computer Club, strengthening both technical and soft skills in collaboration, communication, and problem-solving. Eager to keep learning and contribute to creating meaningful digital solutions.

Education

Bina Nusantara University   *Sept 2023 – Jul 2027 (Expected)*

School of Computer Science (GPA 3.31/4.00)

Projects

Smart Traffic Management System | Link   *Des 2024*
- Designed and implemented a smart traffic management system in a 4-person team using Convolutional Neural Networks (CNN) and Reinforcement Learning.
- Enabled to detect the number of vehicles at an intersection in order to reduce congestion on one side of the lane by determining which lanes have heavier congestion and adjusts the green light accordingly.

.NET Web | Link   *Mei 2025*
- Designed and implemented a Domain-Driven Design in a 2-person team using ASP.NET to build a website, and utilized SAP Crystal Reports for income reporting.
- Simplify order management while providing customers with the convenience of searching for and purchasing jewelry online from home.

GreenLoop | Link   *Jun 2025*
- Designed and implemented a Progressive Web Application in a 5-person team using React JS and Laravel
- Allows users to conveniently schedule trash pickups and earn points as rewards that can be redeemed for vouchers or other items.

Organizational Experience

Bina Nusantara Computer Club (BNCC)   *Sept 2024 – Sept 2025*
Activist
- Actively participated in organizational activities and internal projects to support community development.
- Enhanced teamwork, public speaking, and problem-solving skills through collaboration with peers.

BNCC Techno Scape 2025   *Mar 2025 – Jul 2025*
Media Partner (Staff)
- Establishing and managing partnerships with various external media to support the publication and promotion of the BNCC Techno Scape.
- Conducted outreach, negotiations, and coordination with media partners to ensure content publication aligned with the overall promotional strategy.

BNCC Hackathon 8.0   *May 2025*
Liaison Officer (Mentor)
- Bridging communication between mentors and the BNCC organizing team during the event, ensuring that all information, schedules, and technical needs related to the mentoring process were clearly conveyed and properly managed.
- Coordinated mentor availability, provided real-time updates, and ensured each mentoring session ran smoothly and on time.

Skills

- **Technical**: C, Python, SQL, JavaScript, React JS, Laravel
- **Tools**: Excel, MySQL, Figma, PhotoShop, Illustrator, Notion
- **Soft Skill**: Excellent Communication, Conflict Resolution, Decision Making
- **Languages**: Bahasa Indonesia (Native), English (Professional Working Proficiency)