

## Sely Ruli Amanda

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A highly motivated Informatics Engineering graduate from State Polytechnic of Malang, with strong curiosity and high interest in systems analysis, software testing and development, and project management. I am passionate about contributing to real-world IT and business solutions, while continuously growing in software development, quality assurance, and project management.

## EDUCATION

**Bachelor Degree Informatics Engineering, State Polytechnic of Malang** August 2021 – July 2025

- GPA (3.96/4.00)
- Relevant Courses: Basics of Programming, Algorithms and Data Structures, Object-Based Programming, Critical Thinking and Problem Solving, Information Technology Concept, Mathematics, Operation System, Database, Artificial Intelligence, Business Intelligence, Software Engineering, Interface Design, Web Design and Programming, Project Management, Computational Statistics, English, Mobile Programming, Machine Learning, Image Processing and Computer Vision, Decision Support System, etc.

**Computer and Network Engineering, SMKN 12 Malang** July 2018 – Juni 2021

- Ijazah Average Score (91.00/100)
- Relevant Subjects: Simulation and Digital Communications, Basic Programming, Basic Computers and Networks, Computer Systems, Broad Based Network Technologies, Network Administration and Infrastructure, Network Systems Administration, Network Services Technology.

## ORGANIZATION AND WORK EXPERIENCE

**IT Business Analyst, Contract** September 2025 – Now

As an IT Business Analyst, I am involved in analyzing business needs, developing system development documents, and designing digital solutions that support service transformation within BPJS Kesehatan. My primary responsibilities and contributions include:

- Participating in business requirements analysis and preparing system development documents (Project Charter, Change Request, System Design).
- Conducting requirements gatherings with users and preparing Minutes of Meeting (MoM).
- Creating and customizing application interface mockups (SMKI and Arsip Digital Dewan Pengawas).

**Quality Assurance, Self Employed** November 2024 – Aug 2025

Responsible for ensuring the quality and functionality of web applications developed by the team. My tasks included:

- Developing and executing test plans and test cases.
- Identifying and documenting bugs and issues.

**Teaching Assistant, Seasonal** February – Maret 2025

As a Teaching Assistant for the Advanced Web Programming course, I was responsible for delivering foundational Laravel concepts, including:

- Routing, Views, and Controllers
- Database Management: Migration & Seeder
- Query Handling with DB Facade & Query Builder
- Object-Relational Mapping (ORM) with Eloquent

**PT Sinergi Informatika Semen Indonesia (SISI), Internship**

July – December 2024

- Internship as a System Analyst in the Research and Development Division.
- Assist functional positions and business analysts in creating technical documentation, compiling user manuals for menus in the system.
- Create documents and conduct System Integration Testing (SIT) on the e-procurement system.
- Communicate with the development team and support team regarding development process updates, and translate technical information into technical documents and verbal explanations that are easily understood by the functional team.
- Developing a meeting room booking application using Laravel as the backend, Laravel Filament as the frontend for the web platform, and Flutter as the frontend for the mobile platform.
- Optimized WordPress website performance by analyzing Core Web Vitals, auditing with Lighthouse & GTmetrix, optimizing assets (images, CSS, JavaScript), and configuring caching & CDN plugins.
- Documented audit results, configuration changes, and recommended optimizations for long-term improvements.

**PT Industri Kereta Api (INKA), Internship**

February 2024 – June 2024

- Internship as a Full Stack Web Development in the Research and Development Division.
- Developed more than five features for “Sistem Verifikasi Tagihan Online” using framework Laravel.

**PR IPNU IPPNU Pandanwangi, General Treasurer**

2022 - 2024

- Active as an administrator for the Nahdlatul Ulama student organization in Pandanwangi. As a general treasurer, who is responsible for managing and holding finances for the benefit of the organization.

**CV. Optik Bintang Mas, Employee**

Juni 2021 - Juni 2022

- Working as Admin and Marketing at CV. Optik Bintang Mas for one year. Has a job desk to provide customer service, starting from sales marketing, eye examinations, to being responsible for managing company administration, as well as making monthly sales reports.
- Analyze marketing campaigns and customer interactions to optimize service offerings and increase customer engagement, through various product or service offerings for each month.

**CV. Dwi Tunggal Pamenang – Lenovo Service Center, Internship**

January – Maret 2020

- Internship as a technician assistant who is responsible for assisting with troubleshooting customer devices (Computers or Laptops), assembling PCs (Personal Computers), installing operating systems, installing drivers and software, assisting in replacing and maintaining hardware, such as replacing storage devices including Random Access Memory (RAM), hard disk, and Solid State Drive (SSD), and replace Laptop LCD.

**Jurnalistik Smechatwolasma, General Chairman**

2019 - 2020

- Participate in the entire series of events and work programs of the Jurnalistik Smechatwolasma organization at SMKN 12 Malang. As General Chair, who is task to lead and manage the organization, with responsibility for preparing the organization's operational plans and strategies, as well as supervising each of the organization's work programs. During my tenure as general chairman, I also succeeded in expanding the publication of the work of all school members supported by the organization into the online magazine smechatwolasma, and succeeded in publishing two books of short stories and poetry from students and teachers at SMKN 12 Malang.

**Badan Dakwah Islam SMKN 12 Malang, Vice Chairman**

2019 – 2020

- Participate in the entire series of events and work programs of the Islamic spiritual organization called the Badan Dakwah Islam (BDI) at SMKN 12 Malang. As vice chairman, who has the responsibility to support and assist the general chairman of the organization in carrying out his duties and responsibilities,

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as well as replacing the chairman in certain conditions.

## **AWARDS AND ACHIEVEMENTS**

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**Graduated with Cumlaude Honors and Best Graduate at the Institutional Level** September 2025  
Graduated with *Cumlaude* predicate and honored as the Best Graduate of Politeknik Negeri Malang (Institutional Level) at the 70th Graduation Ceremony, with a GPA of 3.96/4.00.

**Awards as an Outstanding Student in the Academic Field in JTI** June 2025  
Received an award for outstanding student in the academic field Majoring in Information Technology, with sixth semester GPA of 3.95/4.00.

**Awards as an Outstanding Student in the Academic Field in JTI** May 2024  
Received an award for outstanding student in the academic field Majoring in Information Technology, with fifth semester GPA of 3.93/4.00.

**1<sup>st</sup> Place in Smart System: Smart Application in the Olimpiade Vokasi Indonesia 2023 at Sebelas Maret University** November 2023  
Together with the team, developed a smart system for urban agriculture with a gamification approach and IoT technology, which can automate watering and plant care.

**1<sup>st</sup> Place in Mobile Apps Development Held by State University of Jakarta** October 2023  
Together with the team, developed a mobile application for urban agriculture, called Greeny. This application integrates urban agriculture with the concept of gamification. so that it will help urban communities to cultivate urban agriculture in order to create a sustainable environment

**Awards as an Outstanding Student KIP Kuliah dan Afiriasi Pendidikan** October 2023  
Received awards for outstanding students KIP Kuliah dan Afiriasi Pendidikan State Polytechnic of Malang with fourth semester GPA of 3.95/4.00.

**1<sup>st</sup> Place in Software Development Held by Singaperbangsa Universiy** September 2023  
Together with the team, developed a mobile application for urban agriculture, called Greeny. This application integrates urban agriculture with the concept of gamification. so that it will help urban communities to cultivate urban agriculture in order to create a sustainable environment

**Finalist (Top 5) in Software Development Held by Amikom University** August 2023  
Together with the team, developed a mobile application for urban agriculture, called Greeny. This application integrates urban agriculture with the concept of gamification. so that it will help urban communities to cultivate urban agriculture in order to create a sustainable environment

**Awards as an Outstanding Student in the Academic Field in JTI** May 2023  
Received an award for outstanding student in the academic field Majoring in Information Technology, with third semester GPA of 3.96/4.00.

**Finalist in ICT Business in the 2022 JTI Internal Competition** October 2022  
Held by the Information Technology Student Association as an informatics competition, to encourage JTI State Polytechnic of Malang students to have provisions and be ready to take part in competitions outside campus.

**1<sup>st</sup> Place in Story Telling Contest Held by MGMP Bahasa Inggris SMK Kota Malang** May 2021  
The competition was held by MGMP Bahasa Inggris Kota Malang in the teacher and student categories, as a place for creativity in the field of English, as well as training good public speaking skills in English.

**Participant Outstanding Student Exchange in 34 Province Held by BUMN Ministry** August 2019  
A program called Siswa Mengenal Nusantara, which is held by the Ministry of BUMN and BUMN as a venue for the exchange of SMA/SMK students between provinces in Indonesia. In 2019, Jawa Timur Province had the opportunity to visit Gorontalo Province.

**3<sup>rd</sup> Place in Story Telling Contest in Universitas Kanjuruhan Malang** April 2019  
The English language competition was held by the English Literature Study Program or English Literature Department (Ellite) at Kanjuruhan University, Malang for 8 consecutive years, as an opportunity to improve English language skills in the era of the industrial revolution 4.0.

## **LICENSES AND CERTIFICATIONS**

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**Competency Certificate Junior Web Development**, Badan Nasional Sertifikasi Profesi (BNSP)  
September 2023 – September 2026

- Certification is obtained after passing 90 hours of Vocational School Graduate Academy (VSGA) Junior Web Development (JWD) training held by Digitalent KOMINFO.
- Competency Units include implementing text, graphics and multimedia-based programming language execution commands; using pre-existing libraries or components; implement structured programming and user interface; compiling programming functions, files, or resources; write code with principles according to guidelines and best practices

**Competency Certificate Junior Mobile Programming**, Badan Nasional Sertifikasi Profesi (BNSP)  
October 2022 – October 2025

- Certification is obtained after passing 90 hours of Vocational School Graduate Academy (VSGA) Junior Mobile Programming (JMP) training held by Digitalent KOMINFO.
- Competency Units include demonstrating operating system platforms and programming languages in software; designing databases and data persistence on Mobile Data; developing Mobile Location Based Services; GPS and Mobile Navigation.

## **SKILLS**

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**Softskills:** Public speaking, team working, multitasking, leadership, problem solving, time management, adaptability, analytical thinking, quick learning

**Hardskills:** Java, PHP, Python, SQL, Dart, HTML, CSS, Flutter, Laravel, Tailwind CSS, web programming, database management

**Software:** Microsoft Office, Microsoft SQL Server, Visual Studio Code, Apache NetBeans, Figma, Software Project Management (Asana, Trello, Jira), Katalon

**Project (2023):** Job Center Point: website that provides job vacancies and decision support systems for ranking job applicants.

**Project (2023):** Farhan Catering: website used for marketing and managing catering businesses

**Project (2025):** Sistem Peramalan Kacang Kedelai: website used for forecasting soybean stock

**Project (2025):** Sistem Prediksi dan Rekomendasi Program Diet: website for prediction and give recommendation for dietary program