

Rehana Putri Salsabilla

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SUMMARY

I am a 2022 undergraduate student in Information Technology at Sepuluh Nopember Institute of Technology (ITS), born in Tulungagung on September 25, 2003. With a strong interest and certifications in data, I am developing skills in analysis, processing, and visualization to pursue a career as a Data Analyst. I have experience in committees, organizations, and community service, as well as strong managerial, communication, and public speaking abilities. I enjoy teamwork, networking, and tackling challenges that drive growth.

EDUCATION

2022 - Now	Bachelor's Degree at Institut Teknologi Sepuluh Nopember	(GPA: 3.67/4.00)
2019 - 2022	High School Science Major at SMAN 1 Kauman Tulungagung	(Grades)

WORK EXPERIENCE

Dinas Komunikasi dan Informatika - Kabupaten Madiun <i>Internship Full Stack Developer</i>	<i>Jan 2025 – Mar 2025</i>
<ul style="list-style-type: none">Developing websites using Vue.js.Using Git and GitHub/GitLab for version control and team collaboration.Designing database schemas using MySQL.Implementing CRUD (Create, Read, Update, Delete) operations on backend systems.Implementing designs from UI/UX designers using Figma.	
Institut Teknologi Sepuluh Nopember - Department of Information Technology <i>Assistant Lecturer of Architecture Enterprise</i>	<i>Feb 2024 – Jul 2024</i>
<ul style="list-style-type: none">Assisted lecturers in teaching concepts, design, and implementation of information systems architecture within organizations.Prepared supporting materials and guided students in understanding case studies.Provided technical assistance, assignment guidance, and grading support.Gained skills in communication, classroom management, and enterprise-scale systems planning and integration.	

ACADEMIC PROJECTS

Capstone Project: Robot IT – Smart Guide for IT Department Visitors

- Built Android-based guide app for IT Department visitors.
- Integrated Firebase Realtime Database and Picovoice wake word (“Hello Vira”).
- Developed chatbot interaction limited to IT-related questions.
- Implemented voice interaction, character selection, and multi-menu features.

- Tested and deployed app via Android Studio.

Internship Project: Website Development for Dinas Kominfo Kota Madiun

- Developed an informational website for Dinas Kominfo Kota Madiun.
- Designed responsive UI and implemented key service features.
- Integrated content management for public information and announcements.

Final Project: PalestineCare – Charity Database Management System

- Designed and implemented a relational database for charity donation management.
- Built multiple interconnected tables for donors, volunteers, employees, and donation tracking.
- Applied foreign key constraints to maintain data consistency and relationships.
- Developed SQL scripts for data storage, reporting, and transaction management.

Project: Online Retail Analysis and Forecasting

- Analyzed online retail transaction data to identify key revenue drivers and customer patterns.
- Implemented forecasting models to predict future sales trends and customer demand.
- Visualized insights on revenue, product performance, and customer segmentation.
- Provided data-driven recommendations for marketing and business strategy.

Final Project: Big Data Lakehouse – Real-Time Customer Clustering

- Built a real-time data streaming pipeline using Kafka and PySpark ML for customer clustering.
- Integrated MinIO as a data lake storage and Streamlit for dashboard visualization.
- Designed and deployed producer-consumer modules for continuous data ingestion.
- Implemented scalable data processing for efficient and adaptive customer segmentation.

RELEVANT COURSEWORK

- | | |
|---|--|
| • Data Mining and Machine Learning | • Business Intelligence and Forecasting |
| • Database Systems and SQL Programming | • Data Structures and Algorithms |
| • Big Data and Data Lakehouse | • Web and Mobile Application Development |
| • Cloud Computing | • Database Systems |
| • Statistical Analysis and Data Visualization | |

TECHNICAL SKILLS

Languages:	Python, Java, C/C++, JavaScript
Frontend Tools:	HTML, CSS, Vue.js, React.js, Next.js, Streamlit
Data & ML Tools:	Pandas, NumPy, Scikit-Learn, TensorFlow, Keras, Apache Spark (PySpark), Kafka, MinIO
Developer Tools:	Git, GitHub, Docker, Vs Code, Jupyter Notebook, Exel, Google Sheets

PERSONAL ABILITIES

Personality: ESFJ-A

- Communication Skills
- Adaptability
- Collaboration & Teamwork
- Problem Solving
- Leadership

COURSES, TRAININGS, AND ACHIEVEMENTS

- **Hard Skills Software Development** (2022): Managing Websites for Software Developers ✓
- **Achievements** (2022): Liga PKM ITS ✓
- **Writing Training, Spiritual and National Training Activities** (2022): Spiritual and National Training for New ITS Students ✓
- **Orientasi Keprofesian dan Kompetensi Berbasis Kurikulum Departemen Teknologi Informasi ITS** (2022): OKKBK 2022 Participants ✓
- **IT Support Google by Google and Coursera** (2023): IT Security, System Administration, IT Infrastructure Services, Technical Support Fundamentals, Computer Networking, Operating Systems ✓
- **Soft Skills with INCO Academy Work in Tech** (2023): Soft Skills on Job Readiness Training ✓
- **Webinars Attended** (2023): Successful Career Planning for 8 Roles ✓
- **Latihan Keterampilan Mahasiswa Wirausaha Tingkat Dasar (LKMW-TD)** (2023): Entrepreneurship Training ✓
- **Pelatihan Karya Tulis Ilmiah Tingkat Dasar (PKTI-TD)** (2023): Writing Training ✓
- **LKMM-PRA-TD** (2023): Organizational Skills and Management Training ✓
- **Mini Bootcamp Introduction to Data Analytics - DQLab** (2025): Study Case Bootcamp Data Analyst with SQL & Python ✓
- **Mini Bootcamp Introduction to Data Analytics - DQLab** (2025): Study Case Bootcamp Machine Learning & AI for Beginner ✓
- **Mini Bootcamp Introduction to Data Analytics - DQLab** (2025): Study Case Bootcamp Data Analyst with Excel ✓
- **Short Class Data Analysis by MySkill** (2025): Data Science Introduction ✓
- **Certified Online Course offered by RevoU** (2025): Intro to Data Analyst ✓
- **Free Class Data Analyst - Coding Studio** (2025): FREE CLASS - Intro to Data Analyst ✓

LEADERSHIP & ORGANIZATIONAL EXPERIENCE

Mosque Youth - Kauman, Tulungagung, Jawa Timur, Indonesia
Public Relations Division Staff

Aug 2019 – May 2022

- Served as liaison with third parties and the public.

- Assisted with administration.
- Acted as liaison with external parties.

Inclenation (Ospek Fakultas) - Surabaya, Jawa Timur, Indonesia
Staff of Mentor

Aug 2022

- Accompanied small groups of new students during the event.
- Ensured completeness and attendance of new students.
- Built bonding with new students.

IT Ambassador 2022 - Surabaya, Jawa Timur, Indonesia
Volunteer

Jul 2022 – Jul 2023

- Promoted the ITS Information Technology Department via social media.
- Introduced the Information Technology Department to new students.

International Workshop with NUS - Surabaya, Jawa Timur, Indonesia
Staff of Liaison Officer

Nov 2022

- Accompanied speakers from NUS.
- Guided workshop participants.

Ini Lho ITS (ILITS) Forda Tulungagung - Tulungagung, Jawa Timur, Indonesia
Staff of Public Relations

Nov 2022 – Jan 2023

- Served as liaison for Olympiad participants and schools for promotion.
- Acted as designated school representative.
- Spoke during school visits (high schools/vocational schools).

Event A Renewal Agent (ARA) 4.0 - Surabaya, Jawa Timur, Indonesia
Staff of Liaison Officer

Oct 2022 – Jan 2023

- Liaised with Olympiad participants and schools for promotion.
- Represented schools in communication.
- Served as speaker during school visits.

Expo Campus SMAN 1 Kauman - Tulungagung, Jawa Timur, Indonesia
Staff of Public Relations

Jan 2023

- Contact person for visitors and campus units during event.

Formasta Mengabdi 7.0 - Tulungagung, Jawa Timur, Indonesia
Public Relations and Licensing Staff

Nov 2022 – Jan 2023

- Liaised with community representatives to ensure success of activities.
- Secured permits from hamlet to sub-district level.

OKKBBK 2023 - Surabaya, Jawa Timur, Indonesia
Staff of Event

Aug 2023

- Created and delivered assignments.
- Designed awarding sessions.

CYSEA (Cyber Security Academy) - Surabaya, Jawa Timur, Indonesia

Aug 2023

Staff of Public Relation

- Liaised between committee and speakers.
- Ensured speakers' needs were met.
- Accompanied speakers during event.

Iris Robotic Course and Competition (IRC 2023) - Surabaya, Jawa Timur, Indonesia

Aug 2023

Staff of Liaison Officer

- Acted as liaison between participants and committee.
- Conducted roadshows at schools to recruit participants.
- Accompanied participants during competition.

Workshop Mandiri Digital Academy - Surabaya, Jawa Timur, Indonesia

Sep 2023

Event Staff (Moderator)

- Moderated 3 speakers.
- Assisted event staff during execution.

Wisuda Teknologi Informasi ke-128 - Surabaya, Jawa Timur, Indonesia

Sep 2023

Event Staff (MC)

- Led the event as Master of Ceremony.
- Assisted in preparing technical guidelines and event sequence.

Diesnatalis ITS ke-63 - Surabaya, Jawa Timur, Indonesia

Sep 2023 – Nov 2023

Staff of Liaison Officer

- Liaised between committee and participants.
- Served as LO for Tennis Field branch.
- Accompanied participants during matches.

Himpunan Mahasiswa Teknologi Informasi (HMIT 2024/2025) - ITS

Mar 2024 – Jan 2025

Secretary of the Department of Home Affairs

- Prepared proposals and correspondence for work programs.
- Took minutes of departmental meetings.
- Submitted proposals and budgets to Association Secretary and IT Department.

ARA 5.0 - Surabaya, Jawa Timur, Indonesia

Oct 2023 – Jun 2024

Head of Liaison Officer

- Led and managed liaison officer division.
- Coordinated communication and tasks with staff.
- Trained staff to communicate with external stakeholders.

OKKBK 2024 - Surabaya, Jawa Timur, Indonesia

Jul 2024

Head of Events

- Led planning, implementation, and evaluation of events.
- Coordinated all divisions, assigned tasks, and monitored progress.
- Made strategic decisions and maintained relations with sponsors and speakers.

Himpunan Mahasiswa Teknologi Informasi (HMIT 2025/2026) - ITS, Surabaya

Feb 2025 – Present

Association Secretary

- Revised and approved proposals from Internal Department Secretary.
- Submitted proposals to Student Affairs Office, IT Department Secretary, and Head of IT Department.

ARA 6.0 - Surabaya, Jawa Timur, Indonesia

Nov 2024 – May 2025

Secretary

- Compiled and managed correspondence, minutes, and archives.
- Maintained orderly internal and external communications.

PUBLICATIONS

Nurhaliza, Mutiara et al. (Dec. 2024). “Analisis Perbandingan Kinerja Algoritma Pembelajaran Mesin dalam Proses Triase Insiden Keamanan Siber”. In: *Madani: Jurnal Ilmiah Multidisiplin* 2.11, pp. 439–449. DOI: [10.5281/zenodo.14326340](https://doi.org/10.5281/zenodo.14326340). URL: <https://doi.org/10.5281/zenodo.14326340>.

Purba, Etha Felisya Br et al. (2024). “Mengoptimalkan Deteksi Intrusi Jaringan: Perbandingan SVM dan KNN Menggunakan Dataset KDD Cup 99”. In: *Madani: Jurnal Ilmiah Multidisiplin* 2.7, pp. 276–283. DOI: [10.5281/zenodo.12562473](https://doi.org/10.5281/zenodo.12562473). URL: <https://doi.org/10.5281/zenodo.12562473>.