JAVIER NARARYA AQSA SETIYONO

+6281245872525 | Email: javiernararya93@gmail.com | Linkedin: https://www.linkedin.com/in/javiernararya | Blogger: https://javiernararyaa.blogspot.com | https://github.com/Javier1504 | Sukolilo Park Regency Blok B-11, Keputih, Sukolilo, Surabaya, 60111

Informatics Engineering Graduate from Institut Teknologi Sepuluh Nopember (ITS) with a GPA of 3.59/4.00 (Cum Laude). Specialized in Computer Vision and Artificial Intelligence, with a primary research focus on Vision-Language Modeling through the development of Transformer-based Image Captioning systems and advanced Image Processing techniques. I possess a deep technical background in architecting Automated Agentic AI for Intelligent Scraping, leveraging Large Language Models (LLMs) to automate complex data extraction workflows. My versatile engineering toolkit further includes developing immersive simulations as a Virtual Reality Developer and building robust end-to-end applications through Full-stack Software Engineering. By integrating heuristic methods like Particle Swarm Optimization (PSO) with modern deep learning frameworks, I aim to bridge the gap between sophisticated visual understanding and autonomous intelligent systems.

Education

Institut Teknologi Sepuluh Nopember - Surabaya, Indonesia   2021 - 2025
Bachelor of Informatics Engineering, 3.59/4.00

SMA Negeri 2 - Surabaya, Indonesia   2018 - 2021

SMP Negeri 1 - Surabaya, Indonesia   2015 - 2018

Working and Project Experiences

Lecture Assistant of Database System (English Class)   Sep 2023 - Dec 2023
Department of Informatics Engineering - ITS

- Delivered sessions on Oracle DBMS, Query Processing, Relational Model, and Physical Design
- Successfully assisted lecturer to teaching and assessed the competency of 40+ students in one semester with English based language
- Contribute to making assignment questions

Practical Assistant of Database System   Sep 2023 - Dec 2023
Department of Informatics Engineering - ITS

- Create practical question about social problem that must solved with database
- Successfully handled the practical exam sessions for all class of database system

Lecture Assistant of Framework Programming   Sep 2024 - Dec 2024
Department of Informatics Engineering - ITS

- Tutoring sessions on Frontend such as Vue, React with Laravel and Node.js as a backend
- Creating demo sessions for each students group to present the work results, and scoring with objective manner
- Successfully assisted lecturer to teaching and assessed the competency of 60+ students in one semester

Lecture Assistant of Computer Graphics   Sep 2024 - Dec 2024
Department of Informatics Engineering - ITS

- Delivered sessions on make a game graphics using Unity Engine, and make a shadowing object and particle object in WebGL
- Successfully assisted lecturer to teaching and assessed the competency of 40+ students in one semester

Lecture Assistant of Human and Computer Interaction   Feb 2025 - May 2025
Department of Informatics Engineering - ITS

- Tutoring sessions on HCI Concept, UI Design, and UX Design
- Successfully assisted lecturer to teaching and assessed the competency of 120+ students in 2 class
- Creating demo sessions for each students group to present the work results, and scoring with objective manner

Data Science and VR Developer Internship   Aug 2024 - Dec 2024
Indonesian Government Regional Revenue Agency of East Java Province

- Using the Particle Swarm Optimization algorithm to predict various regional revenues, such as house tax, land tax, and vehicle tax every 2 weeks, monthly, annually, and the last 5 years.
- All the various regional revenues prediction results were visualized using Unity engine and then adapted to Virtual Reality, then the user can interact with the visualized statistics from Unity

Software Engineer   Dec 2025 - Present
PT Sentra Vidya Utama - Company of IT Technology

- Developed an Agentic AI system for automated web

- Analyze software platform via staging environments and designed data extraction workflows using Selenium, Playwright, and Puppeteer

- Integrated LLM to process and extract unstructured data based on predefined schema parameters

.Net Developer   Nov 2025 - Present
PT Mitra Transformasi Digital - Company of IT Technology

- Developed software using .NET C# and ASP.NET Core Web API, leveraging SQL Server

  and Entity Framework Core as the Object Relational Mapping (ORM) and database solution

Software IT Support   Aug 2024 - Dec 2024
Lecturer Project at Developing Kapuas Geographics Information Systems

- Responsible for testing system functionalities, identifying and reporting bugs, and preparing user guide.

Web Designer Project   Mar 2023 - Dec 2023
SMA Negeri 2 Surabaya

- Using the Figma to create prototype of Website Literasi Digital Smada Surabaya.

- Lead the project team to make this protoype website

Non Academic Experiences

Excursion Study – Shibaura Institute of Technology, Japan   May 2023 – Jun 2025
A program that allow participants to learn and socialize directly with Japanese shibaura students

- Learn to socialize with Japanese students culture and personality directly
- Presenting about impressions of experience in front of Japanese students

Human Resource Division – Department of Informatics Engineering ITS   Feb 2023 - Dec 2023
Informatics Engineering Student Association

- Conducting cadre for 300+ new informatics engineering ITS students
- Managing citizens in an informatics engineering environment
- Responsible for managing the citizens of Informatics Engineering ITS

Head of Facilitator and Security Division – Diesnatalis ITS 63   Sep 2023 - Oct 2023
ITS Anniversary Events

- Managing 50+ division members and provide a fair distribution of job descriptions
- Controlling the performance of division members in carrying out their job descriptions
- Create job desk concepts such as licensing letter systems, room licensing flows, event security systems
- Successfully handled up to 1000+ participants everyday with minor problems
- Successfully handled everyday competition agenda in 1 month

Head of Permission Division – ISOMETRIC ITS 2023   Mar 2023 - Jun 2023
ITS Student Chapter of Mining Events

- Managing 30+ division members and provide a fair distribution of job descriptions
- Controlling the performance of division members in carrying out their job descriptions
- Create job desk concepts such as licensing letter systems, room licensing flows, event security systems
- Successfully handled up to 200+ participants every weeks
- Successfully handled every weekend agenda in 3 months

Expert Staff of Licensing Division – INILHOITS! 2023   Dec 2022 - Jan 2023
ITS Promotion Event for Senior High School Students National Scale

- Managing 7 members and provide a fair distribution of job descriptions
- Controlling the performance of subdivision members in carrying out their job descriptions
- Create a licensing flow, creating mobilization flow for 1000+ participants when exploring ITS
- Successfully handled up to 1000+ participants everydays for 3 days agenda

Expert Staff of Security and Licensing Division – GERIGI ITS 2023   Jun 2023 - Aug 2023
Welcoming and introducing new students at ITS

- Managing 10 subdivision members and provide a fair distribution of job descriptions
- Controlling the performance of subdivision members in carrying out their job descriptions
- Create a licensing flow, security flow, mobilization flow, etc for up to 6000+ participants
- Successfully handled up to 6000+ participants while GERIGI ITS held

Staff of Security and Licensing Division – GERIGI ITS 2022   Jun 2022 - Aug 2022
Welcoming and introducing new students at ITS

- Do a licensing flow jobdesc , security flow jobdesc, mobilization flow jobdesc, etc for up to 6000+ participants
- Successfully handled up to 6000+ participants while GERIGI ITS held

Skill and Others

- **Programming Language**: Python, HTML, JS, CSS, C++
- **Interest and Experience**: Data Science, Software Engineer, Machine Learning, Deep Learning, Image Processing
- **Skills**: Teamwork , Problem Solving, Self Management, Communication