

JIRYAN FAROKHI

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SUMMARY

Motivated and Fast-learner Mathematics (Computer Science) student at Institut Teknologi Sepuluh Nopember. With a strong foundation as a AI and Data Science across end-to-end machine learning lifecycles from data exploration to model deployment. Skilled in Python and SQL with software visualization like Tableau and Power BI. Proficient in MLOps tools such as Docker, Azure, and GitHub. Known for strong communication, adaptability, and problem-solving skills, backed by technical depth and a continuous drive to learn emerging technologies.

EDUCATION

S-1 Matematika – Institut Teknologi Sepuluh Nopember

Surabaya, East Java

Bachelor of Mathematics (Computer Science), Faculty of Science and Data Analytics, cGPA : 3.52/4.00

2022-2026

Relevant Coursework : Data Science, Data Mining, Introduction to Machine Learning, Cloud Computing, Web Application, Science Computation, Digital Image Processing, Database Technology

WORK EXPERIENCES

Professional

Avalon AI – Surabaya, Indonesia

February – November 2025

Data Scientists Lead

- Designed and built scalable RESTful APIs to facilitate seamless data communication between client and server, ensuring low latency and high reliability.
- Build integrations between Google Maps Platform, Search API, and OpenAI API to enrich raw location data into intelligent analytical insights.
- Developed robust backend logic to perform automated and efficient scraping and processing of geospatial data.
- Compiled comprehensive and standardized API documentation (using Swagger/OpenAPI) to streamline collaboration with frontend teams and external startup partners.

IGras – Surabaya, Indonesia

October – November 2025

Chief Technology Officer

- Defining the roadmap and orchestrating collaboration with the backend division to ensure timely delivery.
- Designed and developed a custom AI model with evaluation score Root Mean Squared Error (RMSE) 3% for the Automatic Grading System (AGS).
- Build the entire user interface using Next.js, delivering a responsive and seamless user experience.
- Successfully secured funding and became a finalist in a prestigious national-level startup competition.

PT DIVUSI – Bandung, Indonesia

Data Scientist

January – February 2025

- Analyzed supply and demand datasets covering 34 provinces and 514 cities/regencies across Indonesia, sourced from BUMN company(e.g., Pertamina Patra Niaga) and international enterprises.
- Developed 12-month time-series forecasting models using Tree-based Machine Learning algorithms (e.g., Random Forest, XGBoost) to predict supply and demand with high accuracy.
- Designed interactive dashboards to visualize correlation analysis and delivered strategic recommendations to stakeholders.
- Worked in a dynamic cross-functional team with Data Engineers and Software Engineers to streamline data pipelines and model deployment.

Data Bridge – Surabaya, Indonesia

Data Scientist Freelancer

December 2024 – Present

- Responsible to build classification project for customer analytics in time series data
- Build some project about data visualization with Power BI, Tableau, and Google Looker Studio

Organization

Google Developer Grup on Campus ITS – Surabaya, Indonesia

October 2024 – Agustus 2025

Machine Learning Lead

- Successfully got the most members throughout Indonesia with a total of 3500+ members
- Make a curriculum learning for members about Machine Learning and Data Science
- Successfully become speaker to give materials about Exploratory Data Analysis to 70 registrants in offline event

International Experience

Global Project Based Learning ITS – SIT 2024 Data Science in Japan – Tokyo Japan

September 2024

Member

- Make Time Series Project to predict sales with data science techniques
- Learn to work together with international students
- Got the 3rd rank from all teams with collaboration Indonesia student and Japan student.

AWARDS

- **[National] Juara Harapan II Big Data Challenge Satria Data ITS 2025** – Kemenristekdikti
- **[National] Top 20 Pertamina Early Stage Startup Competition** – PT Pertamina
- **[National] PKM-KC (Program Kreativitas Mahasiswa Bidang Karya Cipta) 2023** – Funded by Kemenristekdikti
- **[National] Top 5 GAMMAFEST Data Science Competition 2024** – Himpunan Mahasiswa Statistika IPB
- **[International] TOP 3 GPBL Data Science Project in Japan** – Mathematics Department ITS and Computer Science Major SIT Japan

CERTIFICATION

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| • AI Engineer for Data Scientist Associate Certification from Datacamp | February 2025 |
| • MOS Data Analytics from Microsoft | September 2025 |
| • Data Scientist Professional Certificate from Datacamp | October 2025 |