



JEREMIA PANGGABEAN

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Surabaya, Indonesia

I am a final-year Actuarial Science at Sepuluh Nopember Institute of Technology, with a passion for data analysis and risk management. My academic journey has fueled my enthusiasm for uncovering insights and applying actuarial principles to navigate uncertainty. I'm driven by the challenge of analyzing risks and turning data into strategic solutions to make informed, impactful decisions

Work Experiences

Sepuluh Nopember Institut of Technology - Surabaya, Indonesia

Aug 2024 - Present

Assistant Lecturer of Financial Mathematics

- Discussed Financial Mathematics (A-10) questions that were tested in the PAI and SOA certification exams.

Bangkit Academy - PT Dicoding Academy Indonesia - Bandung, Indonesia

Feb 2024 - Jul 2024

Machine Learning Cohort Intern

Bangkit academy itself is initiated by Google and collaborates with major technology startups in Indonesia, such as GoTo, Traveloka and Deeptech Foundation in collaboration with the Ministry of Education and Culture's Kampus Merdeka program.

- Explore Machine Learning concepts through theory and practical projects covering supervised, unsupervised learning, and big data processing.
- Develop and apply Machine Learning models in a final project supervised by an industry mentor.
- Receive guidance from leading industry practitioners, including mentoring sessions and technology workshops.

PT Jasa Raharja (Persero) - Surabaya, Indonesia

Jan 2024 - Feb 2024

Insurance Claim Service Intern

A state-owned company engaged in social insurance to provide compensation to victims of traffic accidents and public transport passengers in Indonesia, as well as contributing to the improvement of transportation safety through educational programs and partnerships.

- Carry out the project "Financial Growth Analysis Study of PT Jasa Raharja" using the simple regression method to analyze revenue and cost projections from 2017 to 2023. This project aims to evaluate the financial viability of the company and produce projections until 2044, as well as provide recommendations for financial management strategies and anticipatory steps to maintain existence and create sustainable growth.

Education

Sepuluh Nopember Institut of Technology - Surabaya, Indonesia

Aug 2021 - Oct 2025 (Expected)

Bachelor Degree in Actuarial Science

Organisational Experience

Road Safety Ranger Z - Surabaya, Indonesia

Feb 2024 - Present

Head Of Social Division

An organization established by PT Jasa Raharja, is a collaborative effort involving students from universities across Indonesia. The organization is committed to improving road safety through educational and outreach programs by analyzing traffic accident data to identify key patterns and trends, supporting our mission to develop and implement strategies that reduce accidents and enhance road safety nationwide

- Analyze traffic accident data to identify key patterns and trends
- Conducting traffic safety education and socialization to high schools and universities.

HIMPUNAN MAHASISWA AKTUARIA - HIMASAKTA ITS - Surabaya, Indonesia

Jan 2023 - Dec 2023

Staff of Fellowship Affair

Responsible for the member regeneration process, from recruitment to capacity building through various training and coaching programs. With a structured approach, this department ensures the sustainability of the organization through continuous and quality regeneration.

- Develop technical framework for the 2022 Actuarial Science student kaderisasi program at ITS, including event planning and ensuring alignment with objectives and engagement

Jelajah Aktuaria (JEJAK) 2023 - Surabaya, Indonesia

Jun 2023 - Sep 2023

Head of Platform System

an annual event held by the HIMASAKTA ITS events department to the general public, especially high school students. The purpose of

this activity is to introduce what akturia is to the public.

- Controlling the registration process of 2023 trail participants
- Controlling the excell VBA that will be used to generate certificates for 2023 trail participants
- Conducting an evaluation of the platform that has been set up for the JEJAK 2023

Jelajah Aktuaria (JEJAK) 2022 - Surabaya, Indonesia

Apr 2022 - Oct 2022

Staff of Platform System

an annual event held by the HIMASAKTA ITS events department to the general public, especially high school students. The purpose of this activity is to introduce what akturia is to the public.

- Design an excell macro for participant registration via email
- Design a word macro to generate participant certificates
- Creating the quiz platform for the semi-finals and finals

Projects, Skill, Interest, Achievements & Certifications

- **Project** (2023): Agriplanner : Commodity Price Prediction Strategis for Optimazing Farmers's Income and Welfare in Indonesia using Radial Basis Function Neural Networ(RBF-NN)
- **Project** (2024): Analysis of Accident Prone Hours By Day Using Aggloromorative Hierarchical Clustering Mehod in East Java
- **Hard Skills:** Project Management, Machine Learning, Deep Learning, Data Analytics (R Studio, SQL, Python, Macro Excel)
- **Interest:** Financial, Data, Statistics
- **Achievements** (2024): Bronze Medal in PIMNAS (Pekan Ilmiah Nasional Mahasiswa) 2024 in the PKM RSH (Program Kreativitas Mahasiswa) Category at Universitas Airlangga - "Implementasi Akuntansi dalam Budaya untuk Mendukung Sustainable Cultural (Studi Kasus: Tradisi Nyadran di Kabupaten Bojonegoro)
- **Certification** (2024): A10- Financial Mathematics (Persatuan Aktuaris Indonesia) - Score : 70
- **Certification** (2024): A60- Actuarial Mathematics (Persatuan Aktuaris Indonesia) - Score : 73,3