



MUHAMMAD FARIS AZHAR

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Actuarial science graduate (**GPA: 3.85**) with **7 ASAI certification**. Experiences in actuarial analytics, modelling, reserving, reporting, and experience studies. Skilled in **SQL, R, Python, and Excel**. Professional, detail-oriented, and passionate as an **Actuary** and **Actuarial Tutor**.

EDUCATION

Universitas Padjadjaran, Bachelor of Actuarial Science (**S.Aktr**)

Aug 2021 – Feb 2025

GPA: 3.85 of 4.00.

Area of Interest: Actuary | Actuarial Modelling, Pricing, Experience Study, and Reporting | Actuarial Tutor.

Thesis: IBNR Claim Reserves Using Robust Fuzzy Chain Ladder Method with CIR Interest Rate Models.

CERTIFICATIONS

Persatuan Aktuaris Indonesia – Associate of Society of Actuaries of Indonesia

- A10, A20, A30, A40, A50, A60, and A70 certified by Persatuan Aktuaris Indonesia

ACHIEVEMENTS

Best Academic Student of 2021 Batch, BE Himaktu Unpad

Nov 2024

5th Winner of Actuarial Business Case Competition, Jejak ITS x IndonesiaRe

Oct 2024

- Designed adjusted reinsurance premium rates using TMI IV and TMPI 2023 during post-pandemic conditions to solve issues at JakartaRe where the loss ratio increased significantly.

WORK EXPERIENCES

Prudential Syariah Indonesia – Jakarta, Indonesia

Feb 2026 – Present

Actuary

- Delivered monthly and annual persistency analysis (lapse, premium holiday, and partial withdrawal) to support strategic management and experience study.
- Enhanced SQL and Excel datasets to support persistency model improvements.
- Conduct deep dive annual study analysis, suggest assumption change on specific product and risk factor, and provide the financial impact of each assumption change scenario.

Prudential Indonesia – Jakarta, Indonesia

Aug 2025 – Feb 2026

Actuarial Consultant

- Streamlined 21 SQL queries into 3 for medical expected claims, improving efficiency and scalability.
- Enhanced monthly expected vs actual claim calculations by refining logic and data granularity.
- Automated actual and expected claim runs (medical, mortality, and CI) and data extraction using macros.
- Developed a dynamic policy-level expected claim repository to support flexible ad-hoc analysis.
- Conduct re-runs, reconciliations, and align with Prophet assumption models to ensure accuracy & consistency.

Prudential Indonesia – Jakarta, Indonesia

Dec 2024 – Jul 2025

Actuarial Intern

- Enhanced SQL and Excel datasets to support persistence lapse model improvements.
- Conducted experience analysis pre- and post-model enhancement, based on APE and NOP values.
- Delivered monthly and annual lapse analysis to support strategic management.
- Investigated abnormal lapse patterns to identify potential agent misconduct.

- Performed monthly claim, outstanding claim, and recovery analyses across multiple insurance products.
 - Developed IBNR reserves model using Loss Ratio, Chain Ladder, and Bornhuetter-Fergusson methods.
 - Support regular monthly calculation on IBNR claim reserves and calculate claim movement for all products.
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TUTOR EXPERIENCES

Freelance – Online

Sep 2022 – Present

Actuarial Science and Mathematics Tutor

- Conducted tutoring 64 times, 120 minutes/session. Discuss about the fundamentals of actuarial, such as Financial Mathematics, Statistical Mathematics, Actuarial Mathematics, Risk Theory, Credibility Theory, etc.
- Conduct math tutoring for junior high school students, 8 sessions/month (total 22 months), 90 minutes/session.
- Conduct 2 math class sessions for 24 high school students to prepare for Math Olympiad (OSK) 2025.

Statistics Department of Unpad – Jatinangor, Indonesia

Sep 2023 – Dec 2023

Lecturer Assistant

- **Introduction to Programming:** Conduct 4x class sessions for 39 students with a duration of 90 minutes/class. Discuss theoretical and practical explanations about programming using Python.
- **Life Insurance Mathematics 1:** Conduct 8x class sessions for 20 students with a duration of 90 minutes/class. Discuss theoretical and practical explanations about Actuarial Mathematics using Python and Excel.
- **Multivariate Analysis:** Conduct 12x class sessions for 35 students with a duration of 90 minutes/class. Discuss theoretical and practical explanations about Multivariate Analysis using Ms. Excel and RStudio.

Kuliah Indonesia – Online

Jul 2023 – Dec 2023

Calculus and Mathematical Physics Tutor

- **Calculus:** Conduct 1-on-1 tutoring for college students, 12 sessions with a duration of 90 minutes/session. Discuss about Calculus 1 and 2, such as Inequalities, Limits, Derivatives, Derivative Applications, Integral, etc.
 - **Mathematical Physics:** Conduct 1-on-1 tutoring, 4 sessions with a duration of 90 minutes/session. Discuss about fundamental calculus concept in Physics such as Differential Vectors, Gradients, Green's Theorem, etc
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PROJECT

Stop-Loss Premium Estimation Using Panjer's Recursive Approach, RStudio

Jul 2024

ORGANIZATION EXPERIENCES

BE Himaktu Unpad

Feb 2022 – Dec 2023

Staff of Academic and Professional Department

- Achieve an award as **Best Akprof's Staff** at 1st and 3rd term 2022, and 1st term in 2023.
 - **Main coordinator** of Himaktu Unpad x DAI at Temansuransi 2022 and 2023 (200+ participants).
 - **Chief Executive** of "Seminar Nasional Statistika Aktuaria 2" (200+ plenary attendees, 96 papers published)..
 - **Actuarial Tutor** at ASTC 2021 Batch, conduct 8x tutoring session with duration 120 minutes/session.
 - Created A10 – Financial Mathematics try-out questions aligned with the PAI exam syllabus to support TO PAI.
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SKILLS

Languages : Bahasa, English.

Technical Skills : Actuarial Analysis, Pricing, Modelling, Reporting, Reserving, Experience Study.

Soft Skills : Time Management, Professionalism, Logical Thinking, Pattern Recognition & Analysis.

Hard Skills & Tools : Prophet, SQL, RStudio, Python, Ms. Excel, Other Microsoft Apps, Easy Fit, SPSS.