AMMAR ASYRAF BIN AMINURASHID

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PROFESSIONAL SUMMARY

Final-year Bachelor of Science (Hons.) Actuarial Science student at Universiti Teknologi MARA, seeking job opportunities in actuarial pricing, valuation, risk management, data analytics or any related departments. Experienced in statistical modelling, insurance claims analysis, and financial mathematics through academic projects, with technical skills in R, Python, Excel, VBA, and Power BI.

EDUCATION

UNIVERSITI TEKNOLOGI MARA, SHAH ALAM **April 2025 - Present**
Bachelor of Science (Hons.) Actuarial Science

UNIVERSITI TEKNOLOGI MARA, SHAH ALAM **Oct 2022 – Feb 2025**
Diploma in Actuarial Science

SEKOLAH MENENGAH SULTAN ABDUL HALIM **Jan 2017 – Dec 2021**
Sijil Pelajaran Malaysia (SPM) – Pure Science Stream

ACADEMIC PROJECTS

Academic Progression of Autistic Children in Malaysia: Markov Transition Probability Matrix Approach – Final Year Project **Sept 2026 – Present**

- Conducting quantitative research on the academic progression of autistic children in Malaysia using a proposed Markov chain and transition probability framework.
- Collaborated with a four-member research team to review 32 academic studies, identifying research gaps and evaluating statistical methodologies.
- Developing a mathematical modelling framework to estimate learning-state transitions, forecast academic progression, and assess expected time to mastery, subject to data availability.

Risk Modelling Of Insurance Claims **Jan 2026**

- Modelled claim severity on 66,000+ simulated transactions in R using Maximum Likelihood Estimation (MLE) and goodness-of-fit testing.
- Applied Generalized Extreme Value (GEV) and Generalized Pareto (GPD) distributions to estimate tail probabilities of insurance claims exceeding RM50,000.

AI-Assisted Actuarial Modeling & Risk Analytics Portfolio **Nov 2026**
Independent Technical Project | Python, R, Excel, Claude Code

- Developed and validated actuarial models covering insurance pricing, claims reserving, bond valuation and financial risk analysis.
- Implemented Generalized Linear Models (GLMs), Chain Ladder, Bornhuetter–Ferguson and Mack reserving techniques.
- Automated data cleaning, statistical analysis, model testing and financial reporting using Python and Claude Code.
- Built reproducible analytical workflows and interactive dashboards to visualize actuarial and risk indicators.
- Documented modeling assumptions and compared calculations against reference results to evaluate accuracy.

WORK EXPERIENCE

BEVERAGE OPERATIONS SPECIALIST **Jan 2026 – Present**

Sip.Kul Café, Shah Alam

- Delivered high-satisfaction client relations in a fast-paced, high-volume retail environment.
- Managed daily point-of-sale (POS) transactions, cash reconciliation, and accurate inventory tracking.
- Maintained compliance with strict health, safety, and brand quality standards.
- Streamlined counter workflow to reduce wait times and increase peak-hour throughput.

CERTIFICATION

GOOGLE AI FOR DATA ANALYSIS CERTIFICATE **Sept 2026**

- Identify success metrics by using AI to analyze business objectives and determine how to accurately measure project performance.
- Generate spreadsheet formulas using natural language instructions with Gemini in Google Sheets.
- Clean and structure messy data by writing effective prompts to reformat and standardize unstructured information.
- Create data visualizations with AI to clearly communicate insights and trends.

POWER BI FUNDAMENTALS CORPORATE FINANCE INSTITUTE (CFI) **Oct 2026**

- Completed training in data preparation, transformation, modelling, and visualization using Microsoft Power BI.
- Developed foundational knowledge of Power Query, DAX calculations, and interactive dashboard creation to support data analysis and reporting.

CONCEPTUAL FRAMEWORK FOR FINANCIAL REPORTING – DELOITTE **Jul 2026**

- Completed Deloitte's IFRS accounting e-learning course covering fundamental accounting principles for the preparation and presentation of financial statements; achieved a 100% assessment score.

SKILLS & LANGUAGES

Actuarial Skills	**:**	Advanced Financial Mathematics, Actuarial Mathematic, Machine Learning, Stochastic Modelling, Actuarial Programming, Financial Risk Management
Technical Tools	**:**	Microsoft Excel (Advanced Formulas, VBA), Power BI, Power Query, SPSS, R Programming, Google Collab, MATLAB, Claude Code
Soft Skills	**:**	Analytical Thinking, Problem-Solving, Leadership, Strategic Communication, Attention to Detail, Report Writing, Team Collaboration
Languages	**:**	Malay (Natives), English (Proficient), Mandarin (Intermediate)