



MUHAMMAD RUSQI ASH SHIDDIEQY, B.Sc. Mathematics

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Summary

Fresh graduate in Mathematics from Syiah Kuala University with strong analytical and detail-oriented skills, specializing in data analysis, risk modeling, and statistical evaluation. Experienced in managing data accuracy, preparing reports, and coordinating within teams through academic research, organizational leadership, and part-time professional roles. Skilled in Python, Excel, SQL, and project documentation, with proven adaptability and commitment to learning. Highly motivated to contribute to underwriting and reinsurance functions by ensuring accurate policy documentation, risk assessment, and compliance with company standards.

Education

SYIAH KUALA UNIVERSITY, MATHEMATICS | Banda Aceh, Indonesia

2021 – 07/2025

Faculty of Mathematics and Natural Sciences

GPA: 3.29/4.00

Course: Mathematical Modeling, Statistics, Data Analysis, Machine Learning Applications.

STUDENT EXCHANGE AT MAKASSAR STATE UNIVERSITY, MATHEMATICS | Makassar, Indonesia

08/2023 – 12/2023

Faculty of Mathematics and Natural Sciences

GPA: 3.70/4.00

BANDA ACEH SENIOR HIGH SCHOOL STATE 3, NATURAL SCIENCE | Banda Aceh, Indonesia

2017 – 2020

Predicate: Very good (avg. 89,57).

Work/Intern Experience

Hanakata Coffee and Eatery | Assistant Manager & Finance Manager | Part-time

10/2024 – 07/2025

- Optimized Financial Processes: Spearheaded efforts to streamline income and expenditure processes, enhancing overall financial efficiency and accuracy.
- Improved Workplace Environment: Cultivated a professional and collaborative environment by implementing effective employee management strategies and fostering a culture of excellence.

Undergraduate Thesis – Flood Risk Estimation with ELM & EVT

12/2024 - 07/2025

- Conducted rainfall forecasting using Extreme Learning Machine (ELM) and extreme rainfall identification with Extreme Value Theory (GEV & GPD).
- Estimated flood risk with Value at Risk (VaR) methodology, applying Python, Excel, and statistical modeling.
- Visualized rainfall distributions with histograms and applied normalization/imputation techniques in preprocessing.

Bangkit Academy 2024 Led by Google – Machine Learning Specialist & Project Manager

09/2024 - 12/2024

- Designed and deployed a Convolutional Neural Network (CNN) model achieving 92% accuracy for image classification.
- Applied data preprocessing, feature engineering, and model evaluation techniques using Python and TensorFlow.
- Led a team of 5, managing workflows in Trello and ensuring timely project delivery.

Assistant Laboratory – Algorithm and Programming (C, C++, Python)

08/2022 – 01/2023

- Assisted students in solving algorithmic problems, debugging code, and improving efficiency.
- Provided guidance in applying programming logic for data processing and problem solving.

Radiance Visual | Founder | Freelance

07/2018 – 12/2022

- Maintained clear and open communication with over 30 clients, incorporating feedback to produce high-quality videos.
- Consistently met project deadlines, contributing to a 95% client satisfaction rate.

Organizational Experience

DEPARTMENT STUDENT ASSOCIATION (HIMATIKA) | MATHEMATICS MAJOR

2024 - 2025

As Head Department of the Public Welfare Division

- Led the Public Welfare Division, coordinating programs that enhanced student engagement and support.
- Managed a team of members, ensuring efficient communication and task delegation to meet organizational goals

STUDENT EXECUTIVE BOARD | FACULTY OF MATHEMATICS AND NATURAL SCIENCES

2021 - 2022

As staff of the Communication and Information Division

- Collaborate with the team to ensure sustainability and continuous improvement in the publication and documentation processes.
- Successfully led a team of 20 to organize the National Short Film event at PILMIPA, resulting in a 30% increase in participation and positive feedback from attendees.

STUDENT COUNCIL | BANDA ACEH SENIOR HIGH SCHOOL STATE 3

2018 - 2019

As the Head of the English Department

- Manages the English Club under the auspices of the head of the English department.
- Responsible for the success of the SMANTIG English Development Competition (SEDC) event as the person in charge at REALISTIG.

Honors and Awards

PIMNAS PKM in Community Service by Ministry of Education

12/2022

Awarded as the favourite champion in the class presentation with the title “Empowering Women to Help the Household Economy through the Innovation of Aceh Songket Weaving Derivative Products in Mireuk Taman Village” at the University of Muhammadiyah Malang.

3rd Place in Short Video National Competition by Dian Nuswantoro University

02/2022

Awarded as the winner at DINUSFEST 2022 with the theme "Together We Achieve the Extraordinary" held by Dian Nuswantoro University, Semarang, on February 08 - 22, 2022.

2nd Place in Short Film FLS2N by Education Service Branch of Banda Aceh City and Aceh Besar District

07/2019

Awarded as the winner in a short film at the FLS2N high school level in Banda Aceh City from July 10th to 11th, 2019.

1st Place in Short Film PASCAL by Senior Highschool State 10 Fajar Harapan

01/2019

Awarded as the winner in the National Student Film Festival at the 2019 PASCAL activity for SMA / MA / SMK equals throughout Indonesia on January 12th to 14th at Senior High School State 10 Fajar Harapan.

Skill and Interest

Programming & Tools: Python, SQL, Excel, MATLAB, Git, React, Google Workspace

Data & Analysis: Data preprocessing, statistical analysis, reporting, visualization, problem identification

Professional Skills: Problem-solving, teamwork, leadership, communication, adaptability, project coordination

Languages: Indonesian (Native), English (Intermediate)