MUHAMMAD FARREL NAYAKA

Tangerang, Banten | +62-812-87238167 | farrel2075@gmail.com

PROFILE

I am a fourth-semester Informatics student at Multimedia Nusantara University with a strong interest in Artificial Intelligence, data analytics, and back-end development. Passionate about building innovative and functional digital solutions, I have hands-on experience in developing databases and dynamic web applications. I am currently expanding my technical proficiency in Java and Python to build scalable systems and solve real-world problems efficiently. With strong problem-solving abilities and a commitment to continuous learning, I aim to grow both academically and professionally in the dynamic field of intelligent systems and software development.

EDUCATIONAL BACKGROUND

MULTIMEDIA NUSANTARA UNIVERSITY   August 2023 – Now
Major: Informatics, GPA 3.55/4.0

SMA KARTIKA X-I Jakarta.   July 2020 – June 2023

PROJECT

2023

- Designed and developed a website themed around Indonesian culture for exhibition at Universitas Multimedia Nusantara.

2024

- Built a website for "UMKM Bebek Mercon Mama Aisya"
- Built a Database System for Online Coaching.

EXPERIENCE

Lab Assistant – Operating System   February 2025 – Now

- Assisted students in understanding key Operating System concepts such as process scheduling, memory management, and file systems.
- Guided practical sessions and provided support during lab exercises and coding assignments.
- Collaborated with lecturers to prepare materials and ensure smooth execution of lab activities.
- Improved communication and teaching skills through peer-to-peer mentoring.

Mathematics Teacher – Frelance Mathematics Teacher

- Taught mathematics to high school students across various topics, including algebra, calculus, and statistics.
- Designed personalized lesson plans to accommodate different learning styles and academic levels.
- Helped students prepare for exams and improve problem-solving skills through targeted practice.
- Developed strong interpersonal and instructional skills through one-on-one and small group tutoring sessions.

Mentor – CBM Multimedia Nusantara University   March 2024 – September 2024

- Assisted students in understanding 5C (Caring, Credible, Competent, Competitive, Customer Delight) Kompas Gramedia concepts.
- Guided practical sessions and provided support during class exercises and weekly assignments.
- Improved communication and teaching skills through peer-to-peer mentoring.

Mainboard (TREASURER) – Starlight UMN 2025   March 2024 – September 2024

- Fully responsible for financial planning, bookkeeping, and reporting for Starlight UMN, one of the university's major annual events.
- Managed budgeting and efficient fund allocation across all divisions and operational needs.
- Oversaw all incoming and outgoing transactions, and prepared regular financial reports to ensure transparency for the team and university.
- Coordinated with sponsors and vendors on expense tracking and invoice processing.
- Developed an organized, spreadsheet-based financial recording system to streamline internal auditing processes.

EXPERTISE

- Academic Support: Adept at helping students improve academic performance and exam readiness.
- Data Analytics: Proficient in Excel and SQL for data cleaning, processing, and analysis.
- Data Visualization: Able to create insightful visualizations using Python libraries (e.g., Matplotlib, Seaborn).
- Languages:
  - Bahasa Indonesia – Fluent (Native)
  - English – Intermediate (Working proficiency)
- Lesson Planning & Curriculum Design: Capable of creating tailored lesson plans based on student needs and learning objectives.
- Mathematics Education: Skilled in teaching high school mathematics including algebra, calculus, geometry, and statistics.
- Public Speaking: Intermediate-level public speaking and presentation skills, comfortable presenting ideas to groups.
- Back-End Development:
  - Proficient in Java and Python for building dynamic applications and server-side logic.
  - Experience in developing database systems using SQL.