

# AQEELA NASHWA NAYSILLA

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<https://github.com/aeela-e> | <https://portofolio-weld-delta.vercel.app/>

## PROFILE

Aqeela (20) is a 2nd-year Informatics student at Pignatelli Triputra University with strong proficiency in **software development and experience in AI Learning and Full-Stack Development**, complemented by strong **analytical thinking, problem-solving, project management, and leadership skills**. With a proven ability to rapidly learn and **apply new software engineering** technologies to solve complex technical problems, Aqeela has successfully delivered multiple projects across **academic research, freelance development, and community service** over the past year. Notable achievements include **publishing a journal paper on data security, delivering 30+ programming projects, and developing a functional web application for local SMEs**. Aqeela is proficient in **Tailwind CSS, Python, TensorFlow, Laravel, SQL, Git, Docker, and Postman**.

## EDUCATION LEVEL

**Undergraduate Informatics, Pignatelli Triputra University**

2023 - Present

- **GPA: 3.60 / 4.00**

**Focused on programming, problem-solving skills, and developing solid foundations in software development and modern computing practices.**

## WORK EXPERIENCE

**Academic Freelance Assistant | Self-Employed**

2023 - Present

- **Completed 20+ programming** assignments and academic tasks for university students, maintaining 100% client satisfaction rate
- Developed web applications and logical scripts to **solve academic problems**, ensuring clean and maintainable code structure
- Provided detailed technical explanations that **helped clients** understand underlying concepts and improve their comprehension
- **Managed 3-5 concurrent projects** while maintaining consistent on-time delivery for all assignments

## COURSES & TRAININGS EXPERIENCE

**Artificial Intelligence Engineering Program**

Oct 2025 - Present

**AI Engineer Track| IDCamp 2025 by Dicoding x Indosat**

- Completed fundamental AI courses with **overall 90% score** on all quizzes and assignments
- Built basic machine learning models using **Python, mastering data preprocessing and model evaluation techniques**

**Cloud Computing & Generative AI Program**

Aug 2025 - Present

**AWS Back-End Academy | Dicoding x AWS**

- Mastered AWS cloud fundamentals including EC2, S3, and Lambda, achieving **95% overall score** on all course assessments
- Developed backend applications using **JavaScript and Node.js**, implementing cloud services and basic generative AI concepts

**Cybersecurity Fundamentals Training (6 Hours)**

Nov 2024

**Introduction to Cybersecurity | Kominfo & Cisco Networking Academy**

- Mastered 4 key cybersecurity domains: attacks/concepts, data privacy, organizational protection, and career paths
- Applied security principles to protect against **real-world threats in simulated** environments

## PROJECT EXPERIENCE

**Hybrid Cryptography Research Project**

May 2025 - Nov 2025

**Security Developer | SmartNotes Web Application**

- Engineered **client-side hybrid encryption** (RC4 + XChaCha20) securing 7 datasets of text and images with 100% data integrity
- Optimized cryptographic operations achieving 1.5s encryption and 20.20s decryption times across file sizes (100KB - 1.5MB)
- Eliminated server dependencies through full client-side execution, preventing data exposure during transmission
- Contributed to research paper **published in SINTA 5-accredited journal** detailing the security implementation

**Link project:** <https://aeela-e.github.io/secure-notes/>

**Community Service & Digital Marketing Project (PKM)**

May 2025 - Nov 2025

## Full-Stack Developer | Griyasingkong E-Commerce Platform

- **Developed Laravel-based** digital marketing platform to increase sales for local SME, resulting in measurable growth in customer inquiries and orders
- Implemented product showcase featuring 15+ signature singkong products with integrated contact system for direct customer engagement
- Built dedicated admin dashboard enabling real-time product management and partnership collaboration
- Optimized website performance achieving 1.5s load time to enhance user experience and support sales conversion

Link project: <https://griyasingkong.com/>

## Capstone Project - End-to-End Development

June 2025 - Present

### ML Engineer & Project Lead | IoT CVD Disease Prediction System

- Spearheaded development of real-time health monitoring **system integrating heart rate sensors** with **ML pipeline**
- Architected ensemble **ML model processing sensor data** streams for cardiovascular risk prediction
- Engineered medical diagnostic features and implemented urgency classification system
- Delivered complete **system from IoT data acquisition to web-based** prediction interface

Link project: <https://github.com/ageela-e/system-prexa>

## University Research & Community Service Project

Dec 2024

### Research Assistant - Virtual Visit Feature | Museum Keris Nusantara

- **Selected as student developer** to create the museum's first 3D virtual visit feature, addressing the lack of digital visualization tools
- Developed interactive virtual tour handling 3D keris models with 360-degree visualization capability
- Optimized system performance through image compression and lazy loading, reducing loading time by 40%
- Collaborated with museum curators and lecturers to ensure historical accuracy in digital representations

Link coverage: <https://rri.co.id/daerah/1219587/museum-keris-nusantara-luncurkan-fitur-virtual-visit>

## LEADERSHIP EXPERIENCE

### Class President & Project Lead | Pignatelli Triputra University

2025 - Present

- Handle day-to-day class management while leading our capstone project team through technical development
- Connect students with faculty and coordinate with project partners to keep work moving forward
- Created peer learning sessions and guide teammates through both academic and coding challenges
- Streamlined how we handle both class coordination and project workflows

## SKILL & QUALIFICATIONS

### Hard Skill:

- **Programming Languages:** Python, JavaScript, PHP, TypeScript, SQL, C, C++
- **Frontend Development:** React, HTML/CSS, Tailwind CSS, Bootstrap
- **Backend Development:** Laravel, Node.js, Express.js, RESTful APIs, JSON
- **Tools & Platforms:** Git, GitHub, Docker, Postman, PyCharm, Arduino IDE, MySQL, Jupyter Notebook, cPanel, XAMPP, Vercel, Netlify, Render
- **Data Science & AI:** TensorFlow, Scikit-learn, Pandas, NumPy, Matplotlib, Seaborn

### Soft Skill:

- Analytical Problem Solving & Critical Thinking
- Project Management & Team Leadership
- Effective Communication & Collaboration
- Time Management & Adaptability

## ACHIEVEMENTS

- Published Research Paper on Hybrid Cryptography in SINTA 5 Journal (2025)
- Selected among applicants as Student Developer for Museum Keris Virtual Visit Project
- Secured PKM Funding (Rp 50M) for SME Digital Platform Development
- Maintained 90%+ Average Score Across 5+ Dicoding Certifications
- Led a Team Delivering End-to-End IoT CVD Disease Prediction System