

Ratu Azalea Meiza Asri

Computer Science Student | Web Development, UI/UX, Machine Learning Research

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PROFESSIONAL SUMMARY

Computer Science student at Bina Nusantara University with hands-on project experience in web development, UI/UX prototyping, databases, Linux, and machine learning research. Co-authored a research paper on leakage-aware bacterial vs viral meningitis classification. Seeking an internship in software development, web development, or data/AI.

EDUCATION

Bina Nusantara University (BINUS) - School of Computer Science

Bachelor of Computer Science | September 2024 - Present

SKILLS

Technical Skills: UI/UX Design, Web Development, Database Management, Programming, Cloud and System Design, Git and GitHub, AI Fundamentals

Programming: Python, Java, C, JavaScript

Web and Databases: HTML, CSS, MySQL, MariaDB

Tools: Git, GitHub, Linux (CLI), Figma, VS Code, OpenCV

Soft Skills: Leadership, Teamwork, Communication, Problem Solving, Project Management

PROJECTS

Leakage-Aware Recall-Oriented Stacking for Meningitis Classification (Research Paper)

Technologies: Python, Machine Learning, Stacking Ensemble

- Helped plan and write a 28-page research paper in a four-person team classifying bacterial vs viral meningitis from 1,133 cleaned patient records.
- Audited variables for data leakage and built an out-of-fold stacking workflow, reducing the model to 16 features.
- Achieved 0.9664 bacterial recall and 0.9339 accuracy on a held-out set with the pruned stacking model.

Whiteboard Scanner (Academic Project)

Technologies: ESP32-CAM, OV2640, OpenCV, Firebase

- Designed a smart classroom concept to capture, process, and store whiteboard content in the cloud.

Terrascent - Sustainable Perfume Website

Technologies: HTML, CSS, JavaScript, Figma

- Developed a website concept featuring a refillable product system and interactive shopping experience.

HCI Project and Linux Fundamentals

Technologies: Figma, Linux, Git, GitHub

- Built wireframes and prototypes from user needs.
- Documented Linux terminal and systems practice.

EXPERIENCE AND ORGANIZATIONS

Publication and Documentation Division - Aikido BINUS Bandung

- Produced event documentation and publication materials, collaborating with team members.

Member - Bina Nusantara Computer Club

- Participated in technology-focused activities that strengthened teamwork and communication.