

Surya Yusuf Nugroho

suryanugroho042@gmail.com | +62 851-5523-4703
linkedin.com/in/surya-yusuf-nugroho | github.com/Synjoestar | syncode.site

PROFESSIONAL SUMMARY

Curious information technology student focused on machine learning, computer vision, and practical AI products. Built TensorFlow and Keras projects through DBS Foundation Coding Camp and continues developing applications that connect model outputs to real user workflows.

EDUCATION

Universitas Bina Sarana Informatika (UBSI)

Bekasi, Indonesia

Bachelor of Information Technology / S1 Teknologi Informasi

Jun 2026 - Jun 2030 (Expected)

Relevant Coursework: Programming Fundamentals, Data Structures and Algorithms, Machine Learning, Computer Vision, Data Visualization

SMKN 2 Kota Bekasi

Bekasi, Indonesia

Teknik Jaringan Komputer & Telekomunikasi

Graduated 2026

EXPERIENCE

PT Ikhlas Cipta Teknologi

Remote / Indonesia

Network Operations Center (NOC) Intern

Jan 2025 - Jun 2025

- Monitored network connectivity and helped detect incidents affecting service stability.
- Configured MikroTik devices and supported routine network troubleshooting.
- Assisted the technical team with helpdesk requests, basic diagnostics, and on-site support tasks.

DBS Foundation Coding Camp

Indonesia

Machine Learning Cohort Participant

Jan 2025 - May 2025

- Completed structured training in Python, Git, GitHub, data visualization, and machine learning fundamentals.
- Built and iterated on computer vision projects using TensorFlow, Keras, and CNNs.
- Collaborated with teammates to develop TrashLab, an AI waste-classification prototype for image-based sorting.

PROJECTS

TrashLab

TensorFlow • Keras • CNN • Python

AI Waste Classification System

- Built an image-classification prototype to distinguish waste categories from camera or photo input.
- Worked with teammates to integrate the model into an application workflow for practical sorting use cases.
- Applied computer vision concepts across data handling, model training, and inference experimentation.

Rice Classification Notebook

TensorFlow • Keras • CNN • Jupyter Notebook

Image Classification Prototype

- Built a notebook-based CNN prototype for classifying five rice varieties: Arborio, Basmati, Ipsala, Jasmine, and Karacadag.
- Used a public dataset with 75K images to explore multi-class image classification workflows.
- Practiced preprocessing, model experimentation, and result analysis in a TensorFlow / Keras workflow.

TECHNICAL SKILLS

Programming: Python, JavaScript, HTML, CSS

Machine Learning: TensorFlow, Keras, CNN, Computer Vision, Data Preprocessing, Image Classification

Tools: Git, GitHub, Pandas, NumPy, Matplotlib, Jupyter Notebook

Other: Basic Networking, Helpdesk Support, MikroTik

LANGUAGES

Indonesian (Native), English (Basic)