SURYA DHARMA PUTRA

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Fifth-semester Data Science student at BINUS University with hands-on experience in machine learning, SQL, and deep learning. Developed projects in computer vision, forecasting, NLP, and object detection. Open to internship opportunities.

Education Level

Bina Nusantara University - *Jakarta, Indonesia*   Sep 2023 - Sep 2027 (Expected)
Bachelor of Data Science, 3.70/4.00

St. Aloysius 1 High School - *Bandung, Indonesia*   Jul 2020 - May 2023
High School Diploma in Science

Experiences

Competition
- Built a crowd counting model for event analysis (Hology 8.0, 2025).
- Presented statistical insights for competition case study (SPSS 2024).
- Created a dashboard for COVID-19 trends visualization (DSC Olympiad 2023).

Project
- YOLO PPE Detection: YOLO model for PPE compliance detection in workplace images; Fine-tuned YOLOv11 on the SH17 dataset with data augmentation; reported mAP@50/95.
- Energy Consumption Forecasting: ANN-based time series forecasting;Built ANN (ReLU, Adam) with MinMax scaling and lag features; evaluated using MAE/MAPE.
- Brain Tumor Classification: CNN (PyTorch) for MRI brain tumor detection; Preprocessed MRI (cropping, normalization) and fine-tuned AlexNet; tracked Accuracy and F1-score.
- Movie Recommender System: Collaborative + content-based recommender; Combined content-based TF-IDF cosine and collaborative filtering; measured Precision@k and RMSE.
- Loan Approval Prediction: Scikit-learn model for tabular loan approval prediction; Performed imputation + one-hot encoding; trained Logistic Regression / Random Forest with k-fold CV; reported ROC-AUC.

Event
- Featured student voice in GeForce RTX 50-Series Back to School campaign; showcased how RTX-accelerated workflows improved data preprocessing and model training time for CV/ML projects.

Organisational Experience

Data Science Club   Nov 2023 - Nov 2025
Activist
- Activist of Creative and Media Department
- Created content for DSC activities and campaigns, improved teamwork and digital media skills

Bina Nusantara Computer Club   Oct 2023 - Oct 2024
Activist
- Activist of Learning and Training Division
- Studied Python, Frontend (HTML/CSS/JS), and UI/UX
- Contributed to basic learning module development and internal training sessions.

Soft Skills & Technical Skills

- **Programming Languages**: Python, R (basic), C, SQL
- **ML & AI**: Machine Learning, Deep Learning, NLP, Computer Vision, Object Detection
- **Libraries**: PyTorch, TensorFlow/Keras, Scikit-learn, OpenCV, Pandas, NumPy, Matplotlib, Seaborn
- **Tools**: Excel, Power BI, Tableau (basic), Git/GitHub
- **Soft Skills**: Problem Solving, Teamwork, Time Management, Fast Learner
- **Languages**: English, Indonesian