

Leonnyndra Putra Pratama

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Profile

Adaptable Computer Science graduate with strong academic record and diverse experience in IT, data analysis, and organizational leadership. Proven ability to manage projects, lead teams, and collaborate across functions. Highly motivated to learn and grow in a dynamic environment, with strong communication, analytical, and problem-solving skills. Eager to contribute effectively in both technical and non-technical roles, with flexibility for nationwide placement.

Education

Satya Wacana Christian University

Bachelor of Computer Science

GPA: 3.88/4.00

Salatiga, Indonesia

Sep 2021 – Mar 2025

Experience

PT Sumber Alfaria Trijaya, Tbk (Alfamart)

Software Engineer (Internship)

Tangerang, Indonesia

Sep 2024 – Aug 2025

- Collaborated with the Data Warehouse team at Head Office by developing and optimizing data pipelines, migrating complex SQL queries from Oracle to the Snowflake cloud data platform to enhance the speed and accuracy of inventory and distribution reporting.
- Upgraded legacy systems by transforming JSP-based forms into full-stack web applications using JavaScript and Python, significantly improving system performance, scalability, and maintainability.
- Conducted sales performance analysis using machine learning techniques across various time periods, delivering actionable, data-driven insights to support strategic decision-making in retail operations.

Satya Wacana Christian University

Assistant Lecturer

Salatiga, Indonesia

Sep 2023 – Feb 2024

- Taught 4 undergraduate classes (40+ students each) on IT fundamentals, Artificial Intelligence, and Human-Computer Interaction, demonstrating strong communication and mentoring skills.
- Guided students in applying analytical and problem-solving approaches to academic projects while supporting curriculum delivery.
- Fostered a collaborative learning environment by providing academic assistance and feedback, helping students improve both technical and teamwork capabilities.

Leadership & Activities

Bangkit Academy - Led by Google, Tokopedia, Gojek, & Traveloka

Machine Learning Cohort

Feb 2024 – Jul 2024

- Completed several Programming and Machine Learning certifications via Coursera and Dicoding.
- Developed the backend for Capstone Project team, integrating Google Maps API for location tracking, object classification using Python and TensorFlow, and supporting database integration and deployment using GCP.

Hult Prize at UKSW

Head Of Program

May 2023 – Feb 2024

- Planned and coordinated the entire event series, from the initial concept and logistics to the final execution.
- Led and managed the execution of the program, overseeing a team, collaborating with stakeholders, and ensuring smooth operations from start to finish.

Student Senate at FTI UKSW

Head of Internship Department

Feb 2023 – Dec 2023

- Planned department programs, schedules, and budgeting to support student career readiness initiatives.
- Collaborated with external partners to implement internship preparation programs, including career seminars and professional development activities.

Skills, Certifications, & Projects

Skills

- **Languages:** Indonesian (Native), English (Professional)
- **Soft Skills:** Communication, Teamwork, Adaptability, Critical Thinking, Leadership
- **Technical Skill:** Python, SQL, Snowflake, GitHub, Figma, Microsoft Office Suite

Certifications

- Machine Learning Specialization – Coursera
- Deep Learning Specialization – Coursera
- Google Data Analytics – Coursera
- TensorFlow Developer Certificate - DeepLearning.AI | Coursera
- Database Design & Database Programming with SQL – Oracle

Publications & Projects

- **Vehicle Detection in Traffic Using Kalman Filter and YOLO V8**
 - **Tools:** Python, Yolo V8, Kalman Filter, Google Colaboratory
 - Developed a vehicle detection model by integrating YOLOv8 with a Kalman Filter to monitor traffic in Madiun. Achieved 93% accuracy, 96% precision, 85% recall, and 90% F1-score. The system effectively detects various vehicle types (cars, motorcycles, trucks) and demonstrates strong potential as a smart traffic monitoring solution. *LoA Publish in AITI Journal (Sinta 3)*
- **Analysis of Worker Welfare Levels in Indonesia (Team Project)**
 - **Tools:** Python, Google Colaboratory, Kaggle, Numpy, Pandas, Seaborn
 - Conducted exploratory data analysis using regression and clustering techniques to evaluate key factors influencing worker welfare across different regions, and presented insights through data visualizations in Google Colab to highlight patterns and disparities