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Professional Summary

Computer Science student at Padjadjaran University with expertise in Data Analyst, Data Science, and AI Engineering. Active team member with strong time management, problem-solving abilities, and experience working under pressure. Proven track record in leadership roles and technical project implementation.

Education

Padjadjaran University, Bachelor of Informatics Engineering, Sumedang, West Java Sept 2023 – Present
• GPA: 3.96/4.00. Recipient of Panin AM and Karya Salemba Empat (KSE) Scholarships.

Professional Experience

AI Engineer Intern, Center for Teaching and Learning Innovation, Padjadjaran University – Sumedang, West Java Aug 2025 – Dec 2025
• Developed an AI project to predict student emotional states (stress, engagement, focus) using EEG signal data.
• Implemented advanced preprocessing techniques and built machine/deep learning models for emotion classification.
• Documented findings and collaborated with supervisors to align research outcomes with educational Universitas Padjadjaran innovation goals.

Teaching Assistant, Informatics Engineering, Padjadjaran University – Sumedang, West Java Jan 2025 – Dec 2025
• Provided assistance in Data Structures and Database Systems II courses.
• Mentored 90+ students per semester in coding practice and hands-on implementation of efficient algorithms and relational database design.
• Evaluated assignments and projects to reinforce student understanding of best programming and database practices.

Chief Technology Officer, Sundahub – Sumedang, West Java Feb 2024 – Dec 2024
• Co-founded Sundahub, managing and developing the website architecture and functionality.
• Led technology strategy and implementation for startup operations.

Technical Projects

Food Price Forecasting in Indonesia April 2025
• Built multivariate time series model to forecast food prices across 34 provinces.
• Achieved best performance with XGBoost (MAPE: 0.05465) through automated forecasting pipeline.
• Tools Used: XGBoost, LSTM, ARIMA. Arkavidia 9.0 Datavida Competition – ITB.

Predictive Maintenance for Manufacturing Feb 2025
• Built machine failure prediction model using sensor data with anomaly detection.
• Handled 13M+ data entries; achieved optimal performance using threshold-based reconstruction error.
• Tools Used: Anomaly Detection, Autoencoder, XGBoost. Datavers ANAVA #19 – UGM, 3rd Place Winner.

Policy Approaches to Address the Triple Burden of Malnutrition in Indonesia Oct 2024
• Conducted policy analysis comparing Indonesia's nutrition strategies with global best practices, providing actionable recommendations to support SDG 2. DAC IFest 2024 – 3rd Place Winner.

Analyzing Instagram Comments on Customs Policy Using K-Means Clustering May 2024
• Analyzed Instagram comments using K-Means clustering for public sentiment patterns around government policy perception. Prepared for GEMASTIK 2024 submission.

Leadership & Organizational Experience

Head of Professional Department, Informatics Student Association (HIMATIF) – Feb 2024 – Dec 2024
Sumedang, West Java

- Led a team of 9 staff, managing 4 key annual programs and coordinating with external stakeholders (BCA, Traveloka, Dicoding).
- Executed seminars (400+ participants) and workshops (35+ participants) on technopreneurship. Recognized as best department head.

Project Officer, Character Building Season 2025 – Sumedang, West Java May 2025 – Oct 2025

- Led the department-level orientation program for 107+ new students, managing a team of 90+ committee members.

Project Officer, Try Out Rujak KSE Unpad – Sumedang, West Java Nov 2024 – Jan 2025

- Led flagship program generating over 1 million IDR in profit with 100+ participants.

Skills

AI/ML & Data: Machine Learning, Deep, Forecasting, LLM, Databases, Excel, PowerBI.

Development: Python, MySQL, C++, C#, HTML, CSS, JavaScript, PHP, CodeIgniter 4, Next.js, OpenCV, YOLOv5, Unity.

Soft Skills: Leadership, Strategic Thinking, Critical Analysis, Effective Communication, Team Management, Problem Solving.

Awards & Achievements

Panin AM Scholarship Awardee 2025

3rd Place, DataVers ANAVA #19 – Universitas Gadjah Mada 2025

3rd Place, Data Analyst Competition IFest – Universitas Padjadjaran 2024

Karya Salemba Empat (KSE) Scholarship Awardee 2024

P2MW Awardee & Unpadpreneur Awardee – Grant for business development from Kemendikbudristek & Unpad 2024