

Danish Rahadian Mirza Effendi

Banten, Kota Tangerang
☎ +6281383851226
✉ danish23003@mail.unpad.ac.id
in danishrahadian

Professional Summary

Computer Science student at Padjadjaran University with expertise in Web Development, 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

- Sept 2023 – Present **Bachelor of Informatics Engineering**, *Universitas Padjadjaran*, Sumedang, Jawa Barat, GPA: 3.96/4.00
- July 2020 – May 2023 **High School**, *SMAN 4 Tangerang*, Tangerang, Banten, Average Score: 86.1

Professional Experience

- Feb 2024 – Dec 2024 **Chief Technology Officer**, *Sundahub*, Sumedang, Jawa Barat
- Co-founded Sundahub and actively participated in the creation of PT Sundahub
 - Managed and developed Sundahub website architecture and functionality
 - Led technology strategy and implementation for startup operations
- Jan 2025 – July 2025 **Data Structures Teaching Assistant**, *Teknik Informatika Universitas Padjadjaran*, Sumedang, Jawa Barat
- Assisted in delivering materials on arrays, linked lists, stacks, queues, trees, and graphs
 - Provided hands-on coding practice and problem-solving sessions
 - Mentored 90+ students in implementing efficient algorithms and best practices
 - Evaluated assignments and facilitated discussions to strengthen students' understanding

Technical Projects

- June 2025 **Smart Illegal Parking Detection (SIPAD)**, *Computer Vision, Python, OpenCV*
- Developed smart city solution to detect illegal parking using CCTV footage and object detection
 - Implemented YOLOv5 and real-time alerting system for traffic law enforcement
 - GEMASTIK 2025 Submission – Data Mining Category
- April 2025 **Food Price Forecasting in Indonesia**, *XGBoost, LSTM, ARIMA*
- Built multivariate time series model to forecast food prices across 34 provinces
 - Achieved best performance with XGBoost (MAPE: 0.05465) through automated forecasting pipeline
 - Arkavidia 9.0 Datavidia Competition – ITB
- Feb 2025 **Predictive Maintenance for Manufacturing**, *Anomaly Detection, Autoencoder, XGBoost*
- Built machine failure prediction model using sensor data with anomaly detection
 - Handled 13M+ data entries with preprocessing, feature engineering, and robust scaling
 - Achieved optimal performance using threshold-based reconstruction error
 - Datavers ANAVA #19 – UGM, 3rd Place Winner
- Jan 2025 **Curhatin – Mental Health Chatbot for Teenagers**, *AI, NLP, Gemma, LoRA, Vertex AI*
- Developed AI-based chatbot for teenage mental health consultations using fine-tuned LLM
 - Integrated with Vertex AI and monitored via Bliv for real-time feedback
 - SPARK Telkomsel 2025 Submission

Research & Publications

- 2024 **Policy Approaches to Address the Triple Burden of Malnutrition in Indonesia**, *Unpublished Research Paper*
- Conducted policy analysis comparing Indonesia's nutrition strategies with global best practices
 - Provided actionable recommendations to support SDG 2 achievement
 - DAC IFest 2024 – 3rd Place Winner
- 2024 **Analyzing Instagram Comments on Customs Policy Using K-Means Clustering**, *Unpublished Research Paper*
- Analyzed Instagram comments using K-Means clustering for public sentiment patterns
 - Provided insights into sentiment trends around government policy perception
 - Prepared for GEMASTIK 2024 submission – Data Mining Category

Leadership & Organizational Experience

- May 2025 – **Project Officer**, *Character Building Season 2025*, Sumedang, Jawa Barat
- Present
- Led organization of department-level orientation program for 107+ new students
 - Managed team of 90+ committee members and coordinated with faculty
 - Developed structured program focusing on academic transition and character building
- Nov 2024 – **Project Officer**, *Try Out Rujak KSE Unpad*, Sumedang, Jawa Barat
- Jan 2025
- Led flagship program generating over 1 million IDR in profit
 - Managed committee of 30+ members and attracted 100+ participants
 - Organized academic preparation events for student success
- Feb 2024 – **Head of Professional Department**, *Himpunan Mahasiswa Teknik Informatika*, Sumedang, Jawa Barat
- Present
- Led team of 9 staff members and managed 4 key programs annually
 - Coordinated with external stakeholders including BCA, Traveloka, Dicoding, Glinz
 - Executed seminars with 400+ participant on technopreneurship and 35+ workshops participant
 - Recognized as best department head in HIMATIF FMIPA Unpad first term
- Oct 2023 – **Batch Leader**, *Informatics Engineering Padjadjaran University 2023*, Sumedang, Jawa Barat
- Present
- Coordinated communication within batch and managed processes for clarity
 - Led cohort of 80+ students and served as liaison between 10+ cohorts
 - Facilitated discussions to foster collaboration and cohesion

Technical Skills

Machine Learning	TensorFlow, Deep Learning, Data Analysis, XGBoost, LSTM, ARIMA, Sklearn, etc
Computer Vision	OpenCV, YOLOv5, Object Detection
Web Development	HTML, CSS, JavaScript, PHP, Codelgniter 4
Game Development	Unity
AI & NLP	Tensorflow, Gemma, LoRA, Vertex AI, Fine-tuning, etc
Databases	SQL, Data Preprocessing, Feature Engineering

Soft Skills

Leadership, Strategic Thinking, Critical Analysis, Effective Communication, Public Speaking, Public Relations, Team Management, Problem Solving, Time Management

Languages

Indonesian	Native
English	Proficient

Awards & Achievements

- 2025 Panin AM Scholarship Awardee – Academic achievement and potential
- 2025 3rd Place, DataVers ANAVA #19 – Universitas Gadjah Mada
- 2025 7th Rank (Public Score), Find-IT Data Analysis Competition – Universitas Gadjah Mada
- 2024 3rd Place, Data Analyst Category – Informatics Competition, Universitas Padjadjaran
- 2024 Karya Salemba Empat (KSE) Scholarship Awardee – Academic and leadership excellence
- 2024 Unpadpreneur Awardee – Grant for early business development from Universitas Padjadjaran
- 2024 P2MW Awardee – Grant for business development from Kampus Merdeka Kemendikbudristek
- 2024 Machine Learning Path Awardee – Google Developer Student Club, ITB