Muhammad Sultan Alhakim

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Results-driven Machine Learning and Data Science specialist with strong proficiency in Python, R, C++, and JavaScript. Experienced in conducting data analysis, process automation, and building predictive models on real-world datasets. Passionate about developing impactful AI-driven solutions and scalable applications, with a strong track record of making systems more efficient and effective.

EDUCATION

Jenderal Soedirman University   **Aug 2022 - Present**
Bachelor Degree in Informatics | GPA: 3.77/4.00 (Cumulative)

- Awardee & Regional Coordinator | Djarum Beasiswa Plus (2024/2025)
- Science and Technology Division Staff | Informatics Student Association (2022/2023)

EXPERIENCE

PT Bank Syariah Indonesia TBK   **Jul 2024 – Aug 2024**
IT Support Intern   Bekasi, Indonesia

- Designed and implemented an automated collection reminder system, resulting in an estimated 15% improvement in on-time payments and enhanced billing efficiency.
- Provided hands-on support in diagnosing and resolving various IT-related issues, including hardware, software, and network concerns, ensuring minimal downtime and smooth daily operations.

PT Aesthetica Tria Utama   **Jun 2019 – Jun 2022**
IT Support   Cibubur, Indonesia

- Managed the full lifecycle of IT assets, including procurement, setup, and maintenance of laptops, network infrastructure, and software licensing, ensuring optimal device performance and network stability.
- Reduced potential data loss incidents by 80% through the design and implementation of security procedures, including automated backup scheduling and recovery protocols.

PT Nutrifood Indonesia   **Jan 2019 – Mar 2019**
Data Entry Intern   Cikarang, Indonesia

- Increased data processing efficiency by over 30% by automating repetitive data entry workflows using iMacros and custom R scripts, significantly reducing manual workload.
- Ensured high data accuracy by performing thorough quality checks on employee records, proactively identifying inconsistencies and initiating timely corrections within internal systems.

AWARDS & COMPETITION

Bronze Medal, Invention ICT & Multimedia
Indonesia Inventors Day (IID) 2024 | Indonesian Invention and Innovation Promotion Association
1st Place, Web Design
Electro Invention Race (EIR) 2021 | Ujung Pandang State Polytechnic
2nd Place, Web Technologies
Lomba Keterampilan Siswa (LKS) 2020 | MGMP RPL Bekasi
2nd Place, Fast Typing
Olimpiade TIK Nasional (OTN) 2020 | Republic of Indonesia Teachers Association
3rd Place, Web Design
Lomba Keterampilan Siswa (LKS) 2019 | MGMP RPL Bekasi

ADDITIONAL INFORMATION

- **Programming Languages:** Python (Advanced), JavaScript (Intermediate), C++ (Intermediate), R (Basic), SQL
- **Data Science & Machine Learning:** EDA, Data Cleaning, Feature Engineering, Classification, Regression, Clustering, Cross-Validation, Hyperparameter Tuning, Model Evaluation
- **Libraries & Tools:** Pandas, NumPy, Scikit-learn, XGBoost, LightGBM, Optuna, Matplotlib, Seaborn, TensorFlow (basic), Keras, PyTorch (basic), iMacros
- **Software:** Jupyter Notebook, Google Colab, Firebase, Vercel, Git, GitHub, iMacros, Adobe Creative Suite, Figma, Canva, Microsoft Office Suite
- **Soft Skills:** Leadership, Critical Thinking, Problem Solving, Attention to Detail, Grit, Curiosity, Inisiative, Adaptability, Communication