Crysantha Monica Lim
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SUMMARY

Data Science student with experience as a System Analyst, skilled in optimizing data workflows and IT solutions through stakeholder collaboration. As a student organization president, I honed communication and organizational skills by leading impactful programs. Proficient in data analysis, foundational programming, and problem-solving, I am eager to apply my skills in **Data Analyst** and **Data Scientist** roles, contributing to data-driven insights and AI solutions for enhanced efficiency
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WORK & ORGANIZATION EXPERIENCE

Bina Nusantara IT Division   **Jakarta, Indonesia**
Feb 2024 – Feb 2025
System Analyst, IT Architechture Division (Part Time)
- Collaborated with users and stakeholders to gather, define, and translate business requirements into actionable development plans, ensuring the successful delivery of features that align with strategic goals.
- Optimized system functionality by identifying business needs and proposing IT solutions, including the design of ERD diagrams to ensure accurate system architecture, improving overall efficiency and user satisfaction.
- Applied SDLC methodologies to streamline workflows, enhancing project delivery speed and accuracy while ensuring high-quality system implementations.
  Tools : Draw.io, Miro, Figma, Microsoft Excel and Word, Microsoft Azure

Himpunan Mahasiswa Teknik Informatika, HIMTI   **Jakarta, Indonesia**
Mar 2024 – Mar 2025
President of Kemanggisan
- Led a 88-activist member to execute strategic programs, enhancint IT students' skills and fostering community growth for approximately 2000 SOCS students across B26, B27, and B28.
- Organized seminars, workshops, and industry collaborations to create internship and job opportunities for students while maintaining effective communication with students, faculty, and stakeholders to foster a collaborative environment.
- Established partnerships with companies such as BCA, CIMB Niaga for sponsorships and NVIDIA for partnership in workshop, as well as with Deloitte, KPMG, NoxGuard, and SOC for guest speakers.

Nov 2023 - Feb 2024
Head of HIMTI Internship
- Managed the selection process, allowing candidates to explore and work in two divisions before making their final division choice.
- Facilitated hands-on experience for candidates, helping them gain insights into their preferred areas before committing to a division.

Aug - Oct 2023
Vice Chairman, SESKAM
- Led SESKAM 2023, providing essential skills training in proposal writing, LPJ, SPK, and negotiation for 400 HIMTI candidates.
- Coordinated training sessions, ensuring candidates effectively applied the skills learned to achieve successful outcomes.

Mar – Agt 2023
Coordinator Seminar and Wokshop, HISHOT
- Led the planning and execution of seminars and workshops, collaborating with speakers and managing logistics to ensure successful events.
- Collected and analyzed participant feedback, using insights to enhance future events and improve overall engagement
- Established partnerships with companies such as TP Link, AISEC, and Mading Event for sponsorships and media collaboration, as well as with Traveloka, Deloitte, and Philip Morris International for guest speakers.

PROJECTS

Deep Learning for Audio-Based Respiratory Disease Classification sing Clinical Sound Data
- Employs deep learning techniques to classify respiratory diseases (COPD, non-COPD, healthy) using clinical sound data, enhancing diagnostic accuracy and early detection through audio recordings. The project utilizes Convolutional Neural Networks (CNN), Recurrent Neural Networks (RNN), and Long Short-Term Memory (LSTM) networks for classification.

IMDB Movies Reviews Sentiment Analyzer
- Developed a sentiment analysis model using the IMDB movie review dataset to classify reviews as positive or negative, achieving an accuracy of 85%, while addressing challenges such as sarcasm and multi-polarity through advanced NLP techniques.

Sales Prediction for BigMart Stores
- Developed a sales prediction model using machine learning techniques, specifically XGBoost, demonstrating significant relationships between product and store attributes with sales predictions, achieving an R^2 of approximately 0.65 and RMSE of around 1050, providing actionable insights for retail management to optimize product placement.

SKILLS

Soft Skills : Continuous growth mindset, Communication, Problem-solving, Flexibility, Active listening, Ideation and brainstorming, Creative and analytical thinking, Adaptability, Observation
Technical Skills : Microsoft Office, Programming Languages (Python, C), Data Analysis and Visualization (R, Spark SQL, Tableau, MySQL), Computer Networking (Cisco), Data Preparation and Cleaning, Predictive Analysis, Machine Learning and Deep Learning Models, Big Data Infrastructure/Cloud (AWS, Microsoft Azure), Model Deployment (FastAPI, Streamlit), Software Engineering (HTML, CSS, JS, Flutter, ASP.NET, Draw.io, Figma, Miro).
Language: Bahasa Indonesia (Native), English (Conversation)

EDUCATION

Bina Nusantara University
2022 - present   **Jakarta, Indonesia**
Bachelor Degree | Majoring in Data Science | GPA: 3.61/4.00
- **Relevant Coursework:** Artificial Intelligence, Basic Statistic, Bayesian Data Analysis, Big Data Infrastructure and Technology, Data Management and Organization, Data Mining and Visualization, Data Security, Database Technology, Deep Learning, Machine Learning, Model Deployment, Scientific Computing, Survey and Sampling Methods, Text Mining
- **Awards :** Sole Palembang Recipient of Best School Scholarship (The scholarship was granted for being the top student at a prestigious school in Palembang.)