MUHAMMAD REYHAN WINARTO

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EDUCATION

PRESIDENT UNIVERSITY, Informatics, Candidate for (S.Kom), Sep 2022 - Present

Honors:	IISMA 2024 Awardee
	Jabar Future Leader Scholarship 2022 Awardee
Activities:	DEMI AI Developer Team
Awards:	Marketeers Innovation Challenge 2023, 3rd Winner Customer Experience Innovation

SMA KOMUNITAS KARAKTER, Natural Science, Jul 2019 - Jun 2022

Honors:	Class Valedictorian
	Tech Student of The Year
Activities:	Computer Science Club
	Deutschunterricht
	Student Council (OSIS) Entrepreneurship Division

EXPERIENCE

PRESIDENT UNIVERSITY, Cikarang, Bekasi Regency.

Academic Bureau, May 2023 - Present.
Prompt Engineer & Web Developer
Developed and deployed DEMI AI, an LLM powered Academic AI Assistant, by leveraging advanced prompt engineering, vector store optimization and Retrieval Augmented Generation (RAG) to provide 3,000+ monthly student users with relevant information from a vast repository of university academic resources.

Faculty of Computer Science, May 2023 - Jul 2023.
Lecturer Assistant
Assisted in developing learning material for the Artificial Intelligence and GPT for IT Professionals (8085) course. Led practical prompting sessions and moderated class discussions, guiding students in applying advanced prompt writing techniques to optimize LLM responses and achieve desired outcomes.

INDONESIA HERITAGE FOUNDATION, Depok, West Java.

Research and Development, Oct 2021 - May 2022.
Back-End Web Developer Intern
Developed a Library Management System prototype using the Yii PHP framework. Designed a robust database ERD system to optimize data management, enabling efficient CRUD (Create, Read, Update, Delete) operations.

PROJECTS

DATABISA Community Service, Jul 2023 - Aug 2023
Project Manager
Empowered Small and Medium Enterprise (SME) in Cikarang in elevating business performance through the practical application of data analytics and business research for data-driven decision making.

WebScrapr, Apr 2023 - May 2023
Director
Designed and developed WebScarpr, a Laravel-based web application that provides market insights from e-commerce platforms, leveraging web scraping techniques to extract and analyze product data, enabling users to gain a competitive advantage by understanding market trends and consumer behavior.

SKILLS & CERTIFICATES

Skills: Programming Concept, LLM Development, Retrieval Augmented Generation (RAG), Prompt Design, Node.js, Deep Learning, Python, API Development, Javascript;
Certificates: Web3 Fundamentals, Patika.dev (Aug 2023), Aplikasi Back-End, Dicoding Indonesia (May 2023), Introduction to Deep Learning in Python, Datacamp (Jan 2023), Python Fundamentals, Mimo GmbH (Mar 2021);

LANGUAGES

Bahasa Indonesia (Native); English (Fluent); Dutch (Reading Knowledge); German (Reading Knowledge);

PERSONAL

Interests include artificial intelligence, cognitive neuroscience, thinking and consciousness, philosophy, reading biography, linguistics, and computer science.

REFERENCES

Handa S. Abidin, S.H., LL.M., Ph.D. (Rector of President University), handa.abidin@president.ac.id
Dr. Adhi Setyo Santoso, ST., MBA. (Vice Rector for Academic of President University), adhi.setyo@president.ac.id
Name of Thesis Advisor (Thesis Advisor), email