WIDYA RACHMANIA

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WORK EXPERIENCE

Gunadarma University – *Depok, Jawa Barat, Indonesia*
Laboratorium Information System   *Oct 2023 - Present*
Assistant & Instructor – Part Time

- Delivered hands-on instruction in web-based programming using PHP and knowledge-based systems, helping over 50 students master fundamental web development skills.
- Designed and supervised practical exercises, ensuring students successfully applied theoretical concepts to real-world projects.
- Assessed and evaluated 50+ student projects
- Resolved technical challenges for 30+ students during lab sessions, reducing error rates and enhancing completion times by 20%.

Gunadarma University – *Depok, Jawa Barat, Indonesia*
Praktikum Mata Kuliah Unggulan HPC   *Mar 2023 - Jun 2023*
Assistant – Part Time

- Facilitated hands-on lab sessions on Nvidia DGX-1 and DGX A100 machines, training students in advanced topics like Data Mining, Deep Learning, and Machine Learning using Python.
- Assisted in the preparation and execution of practical activities, improving lab efficiency and student readiness by ensuring proper setup of equipment and resources.
- Guided students through complex data analysis tasks, increasing understanding of data processing and machine learning techniques through hands-on experience.

ORGANIZATIONAL & VOLUNTEER EXPERIENCES

Gunadarma University – *Depok, Jawa Barat, Indonesia*
BEM of Faculty of Computer Science and Information Technology
Internship Staff of Politics and Student Welfare   *Feb 2022 – May 2022*

- Facilitated communication between students and university policymakers, ensuring timely resolution of academic concerns
- Increased student engagement with internship opportunities by 25% through targeted Instagram content.
- Created targeted Instagram content related to student life and improving social media reach

SMA Bina Taruna Bangsa – *Depok, Jawa Barat, Indonesia*
Ambision Season 2 Art Festival   *Mar 2019 – Des 2019*
Deputy Head of Event Division

- Led event planning and logistics for a large-scale art festival attended by over 500 participants, managing timelines, resources, and vendor coordination.
- Collaborated with other divisions to ensure smooth execution of technical setups, resulting in a seamless event with positive feedback from attendees.
- Created detailed event rundowns, reducing preparation time by 20% and improving efficiency in task delegation and coordination.

EDUCATION

Gunadarma University – *Depok, Jawa Barat, Indonesia*
Information System, 3.77 / 4.00   *2021 - Present*

NON FORMAL EDUCATION

PT Revolusi Citra Edukasi – *Kuningan, South Jakarta, Indonesia*
Learn Data Analytics & Software Development with AI   *Feb 2024 - Jun 2024*

PROJECTS

Bike Sales Analytics & Software Development *– PT Revolusi Citra Edukasi*   Feb 2024 – June 2024
Teamwork – as Project Lead, Quality Assurance, Data Analysis
Led analysis of 5,000+ bike sales records using SMART and Root Cause Analysis (RCA) methods to uncover trends and issues. Using interactive visualizations using Chart.js, resulting in a 20% improvement in data presentation clarity. Created test documentation to ensure accuracy and reliability of the final product.
🔗 Semarang-Team-5.app

Personal Portofolio Website *– Depok, Jawa Barat, Indonesia*   *Aug 2023 - Present*
Platform for self-portfolio, that are digitalised and accessible via the internet
🔗 Widya Rachmania

Pikipiki Team Generator Website *– Gunadarma University*   *Oct 2023 – Dec 2023*
as Front End and Back End Development
Developed a platform for generate teams and name picker generator
🔗 PikipikiGenerator

Preschool's Learning Website *– Gunadarma University*   *Nov 2023 – Dec 2023*
Teamwork – as Front End and Back End Development
Developed a learning website for preschool children, enhancing their recognition of letters and sounds through interactive exercises
🔗 preschool-learning

Exploratory Data Analysis : World Happiest Report 2023 *– HPC Gunadarma University*   *Mar 2023 - Apr 2023*
Teamwork - as Data Science
Conducted data preparation, cleaning, processing, and manipulation using Python libraries, developed insightful visualizations, and applied analytical methods to extract key insights for analyzing global happiness trends.

SKILLS

- Data Analysis & Visualization: Developed analytics solutions using Python and SQL that reduced processing times by 35%.
- Programming & Web Development: Experienced with PHP, JavaScript, SQL, and frameworks like React.js and Node.js.
- Project Management: Led a team of 5 to deliver projects ahead of schedule using methodologies.
- Quality Assurance & Testing: Identified and resolved 30+ coding errors, improving system reliability by 35% during QA testing.
- Data Science Tools: Proficient in Tableau, Jupyter Notebook, Pandas, and Scikit-learn for data analysis and machine learning.

TECHNICAL SKILLS

- Programming Languages (PHP, SQL, HTML5, JavaScript, Python)
- Data Science Tools (Tableau, Jupyter Notebook, Big Query, Looker Studio, GoogleSheets, Google Collab)
- Web Development Technologies (Visual Studio Code, Visual Studio 2023, XAMPP, SSMS, Figma)

TRAINING | WORKSHOP | CERTIFICATION

- Data Analitycs Professional by *Google*
- Learn Data Analytics & Software Development With AI by *RevoU*
- Python Fundamental for Data Science by *DQLab*
- Exploratory Data Analysis with Python for Beginner by *DQLab*
- Belajar Dasar SQL by *Dicoding*
- Belajar Dasar Pemrograman Web by *Dicoding*
- Belajar Membuat Front-End Pemula Web by *Dicoding*

- Data Science Challenge with Python by *DQLab*
- Beginner C# by *LePKom*
- Beginner VB.Net by *LePKom*
- Fundamental Web by *LePKom*
- Fundamental Desktop by *LePKom*
- Introduction to Wireless LAN installation by *LPUG*