Mochammad Hazmi Cokro Mandiri

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Hazmi is a fresh graduate from the University of Muhammadiyah Malang, Informatics Study Program with a focus on data science. He is a strong-willed, learning-loving, and effective person who is always hungry for new knowledge. In addition to having an interest in data and machine learning, he also has little experience in the field of web development, especially on our frontend.

Education

University of Muhammadiyah Malang | Informatics |GPA : 3.84   Sep 2017 – Aug 2021

Informal Education

1. **Graphic Design and Digital Marketing (Karisma Academy with Kemendikbud RI)**   Sep 2021 – Jan 2022
   - Learn and practice about graphic design, including digital imaging, layout design, corporate identity
   - Learn and practice about digital marketing, including market research, content marketing, copywritting, website landing page, SEO, facebook ads, google mybussiness

2. **Artificial Intelligence (Digital Talent Scholarship – Huawei with Kominfo RI)**   Jul 2021 – Sep 2021
   - Learn and practice about machine learning, artificial intelligence, tensorflow, huawei cloud storage
   - Learn some huawei products including Huawei Atlas AI, Huawei Open AI and Huawei Enterprise Intelligence

3. **Data Literate Bootcamp (Data Science Club – University of Muhammadiyah Malang)**   Dec 2020 – Jan 2021
   - Practical learning about object oriented programming, supervised learning and unsupervised learning
   - Designing and creating a final project titled Classification of Cardiovascular Disease Using eXtreme Gradient Boosting (XGBoost)

4. **Machine Learning - IDCamp (Indosat Ooredoo with Dicoding Academy)**   May 2020 – Oct 2020
   - Learn about basic visualization techniques for visual representation of results so as to effectively narrate and present data
   - Learn and practice about the implementation of machine learning in industry ranging from computer vision, natural language, and deployment of machine learning projects

Working Experiences

1. **Frontend WordPress Developer Intern (RUVODO WebApps)**   Jan 2022 – Mar 2022
   - Develop and maintained of symadeco, mudahpesan, deqina and farifish website
   - Coordinate with product managers to meet desired project requirements, objectives, and functionality
   - Manage website development projects from initial design to completion, optimizing all cross-browser and multi-platform compatibility

2. **Frontend WordPress Developer Intern (Badan Pengawas Pemilu Kota Batu)**   Jan 2020 – Feb 2020
   - Develop and integrate customized themes into WordPress
   - Conduct training for staff on handling website content management systems
   - Implemented enhancements that improved web functionality and responsiveness

Certification

1. **Digital Marketing**   Issued Jan 2022 · Expires Jan 2025
   Badan Nasional Sertifikasi Profesi (BNSP) – LSP Teknologi Digital
   This certification is tested in accordance with the Standard Kompetensi Kerja Nasional Indonesia (SKKNI) for the field of digital marketing [Certificate]

2. **Database Administrator**   Issued Oct 2021 · Expires Oct 2024
   Badan Nasional Sertifikasi Profesi (BNSP) – LSP University of Muhammadiyah Malang
   This certification is tested in accordance with the Standard Kompetensi Kerja Nasional Indonesia (SKKNI) for the field of database administrator **[Certificate]**

Skills

HTML, CSS, Python, SQL, Google Data Studio, Elementor, WpBakery, WordPress

Technical Projects

1. **Classification of Diabetic Retinopathy Disease in the Eyes Using EfficientNet-B7 Model**
   - Developed a machine learning model to classify images into the class of diabetic retinopathy [Article]
   - Conducted tests on the influence of preprocessing techniques and augmentation processes on machine learning models created [Demo] [Repo]
2. **Classification COVID-19 using Gabor Filter and CNN with Hyperparameter Tuning**
   - Developed a machine learning model to classify CT-Scan images as belonging to the COVID-19 disease class category or not [Article]
   - Implementing the Gabor Filter preprocessing technique on CT-Scan images of COVID-19 disease
   - Implementation of hyperparameter tuning to provide the best parameters for the proposed model [Repo]
3. **Convolutional Neural Network with Hyperparameter Tuning for Brain Tumor Classification** [Article] [Repo]
4. **Classification of Cardiovascular Disease Using eXtreme Gradient Boosting (XGBoost)** [Article] [Repo]
5. **Official Website Bawaslu Kota Batu using Elementor - WordPress** [Website]
6. **Official Website mudahpesan.com using Elementor - WordPress** [Website]
7. **Official Website symadeco.com using Elementor - WordPress** [Website]
8. **Landing Page Website Deqina and Farifish using WPBakery - WordPress** [Website] [Website]
9. And many more…

Publications

1. A. E. Minarno, M. H, C. Mandiri, Y. Azhar, and F. Bimantoro, "Classification of Diabetic Retinopathy Disease Using Convolutional Neural Network," vol. 6, no. March, pp. 12–18, 2022. [Article] [Demo] [Repo]

2. A. E. Minarno, M. H. C. Mandiri, and M. R. Alfarizy, "Klasifikasi COVID-19 menggunakan Filter Gabor dan CNN dengan Hyperparameter Tuning," *ELKOMIKA J. Tek. Energi Elektr. Tek. Telekomun. Tek. Elektron.*, vol. 9, no. 3, p. 493, 2021, doi: 10.26760/elkomika.v9i3.493. [Article] [Repo]

3. A. E. Minarno, M. H. C. Mandiri, Y. Munarko, and H. Hariyady, "Convolutional Neural Network with Hyperparameter Tuning for Brain Tumor Classification," *Kinet. Game Technol. Inf. Syst. Comput. Network, Comput. Electron. Control*, vol. 4, 2021, doi: 10.22219/kinetik.v6i2.1219. [Article] [Repo]

4. M. R. Alfarizy, M. H. C. Mandiri, and Y. Azhar, "Penentuan Prioritas Perbaikan Jalan di Desa Gawan Menggunakan Algoritma Analytical Hierarchy Process," *J. Inform.*, vol. 8, no. 1, pp. 1–9, 2021, doi: 10.31294/ji.v8i1.8316. [Article]

Volunteer

1. **Education Volunteer (University Of Muhammadiyah Malang)**   **Sep 2020 – Oct 2020**
   Location : Pondok Pesantren Muhammadiyah Al-Munawwaroh, Malang
   - Participate in the website development team of Madrasah Al-Munawarroh Malang [Article]
   - Provide education about computer operation and maintenance students and staff

2. **Education Volunteer (DPPM - University Of Muhammadiyah Malang)**   **May 2018 – Jun 2018**
   Location : Krajan, Sumbersekar Village, Malang Regency
   - Make an automatic watering device based on time for citrus plantations in Krajan, Malang [Article]
   - Conduct education about procedures for maintaining automatic watering equipment

Languages

- Bahasa Indonesia – Native Proficiency
- English – Intermediate Proficiency