Mohammad Firaz Faruq Iansyah

Informatics Graduate | Software & Machine Learning Enthusiast

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Bachelor's degree in Informatics from Institut Teknologi Nasional Bandung with experience in web development, data analysis, and machine learning. Skilled in Python, Java, SQL, and frameworks related to AI and web development. Experienced in internships and jobs in IT support, web development, and digital marketing. Eager to contribute to a tech company focused on software development and AI-based solutions.

Education

Institut Teknologi Nasional Bandung

Bachelor of Informatics Engineering (GPA: 3.27 / 4.00) | Graduated: 2024

Thesis: Brain Tumor Detection Using EfficientNet-B7 Based on X-Ray Images (Accuracy: 95%).

Experience

Web Developer (Intern) — Diskominfo Kab. Bandung | July 2022 – Sep 2022
- Created website prototype designs using Figma
- Developed the website (front-end & back-end)

IoT Laboratory Assistant — ITENAS | Sep 2022 – Jan 2024
- Created learning modules using Arduino, NodeMCU, and API integration
- Guided students in Smart Plant and Smart Trashbin projects
- Provided technical guidance and project evaluation
- Assisted in developing basic mobile apps for IoT device control

Robotics Laboratory Assistant — ITENAS | Jan 2023 – May 2023
- Supervised campus robotics projects: Line Follower Robot
- Provided guidance on sensor and actuator programming and path mapping

IT Support — RSUD Dr. Slamet Garut | July 2024 – Sep 2024
- Trained application users
- Handled installation, configuration, and maintenance of computer systems and networks

Web Developer — PT Geo Metri Indonesia | Jan 2025 – June 2025
- Developed and maintained the company website (front-end & back-end)
- Managed IT infrastructure and daily tech support
- Planned and executed digital marketing strategies and SEO optimization
- Managed promotional content and digital advertising campaigns (Google & Meta Ads)

Projects & Academic Work

Deep Learning Projects
- Diabetic Retinopathy Classification using Mask RCNN + XGBoost to detect severity from retina images (2023 | Accuracy: 99.07%)
- Lung Disease Classification using DenseNet161 + XGBoost on chest X-ray images (2024 | Accuracy: 99.2%)

Competitions
- National Top 10 – PROKIMNAS 2022
- Laravel-based information system to manage a dental clinic (patient records, doctor scheduling, and services)

Skills

Programming Languages: Python, Java, SQL, PHP, HTML, CSS
Databases & Tools: MySQL, Git, Trello, Figma
Frameworks: TensorFlow, PyTorch, Laravel
Machine Learning: CNN, Transfer Learning, EfficientNet, XGBoost, Mask RCNN
Design & Multimedia: Adobe XD, Photoshop, Premiere Pro, After Effects, Canva
Other: SEO, Google Ads, UI/UX

Soft Skills

Programming Languages: Python, Java, SQL, PHP, HTML, CSS
Databases & Tools: MySQL, Git, Trello, Figma
Frameworks: TensorFlow, PyTorch, Laravel
Machine Learning: CNN, Transfer Learning, EfficientNet, XGBoost, Mask RCNN
Design & Multimedia: Adobe XD, Photoshop, Premiere Pro, After Effects, Canva
Other: SEO, Google Ads, UI/UX

Organization

Himpunan Mahasiswa Informatika (HMIF) ITENAS

Head of Human Resource Development Division | June 2022 – Jan 2023
- Designed and implemented skill development programs for members
- Developed internal learning modules and conducted weekly discussions
- Fostered strong collaboration and communication within the team
- Acted as a mentor for basic programming and app development sessions