

# IRSYAD FADILLAH

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Irsyad Fadillah is a 7th semester Marine Information Systems student with interests and experience in Data Science and Web Development. Has experience in data prediction modeling and web development using PHP and SQL. Completed an internship at the Marine and Fishery Office of Banten, leading a team of interns in office tasks, reviewing and entering data for ship certificates, and participating in coastal community empowerment activities. Led a team on a project at PT SUCOFINDO to develop a website for data input. Experienced in scientific diving for fish and coral reef data collection in Tunda Island. I am committed to continuous enrichment and development as a professional.

## Work Experiences

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### Marine and Fishery Office of Banten - Banten

Mar 2024 - May 2024

*Internship in the Field of Capture Fisheries as Administrative Assistant and Website Development*

- Led a team of 2 other interns in performing office task
- Reviewed 100+ data and entered the data into the company database to create original ship certificates, flagged data requiring additional services and routed issues to the appropriate team, successfully issuing original ship certificates for 50%+ of work orders
- Interacted and assisted with coastal community empowerment activities in shell craft training with more than 30 community members
- Used PHP and SQL in creating a website to facilitate data input for Kelompok Usaha Bersama (KUBE)

### PT. SUCOFINDO - Graha Sucofindo, DKI Jakarta

Feb 2023 - May 2023

*Consulting and Website Development Project*

- Led a consulting team of 6 people to address the challenge of collecting cultivation census data
- Proposed a website design and development using PHP, MySQL and Bootstrap Frameworks to overcome these challenges
- Resulted in a project success rate index of 92-100%

## Project Experiences

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### Marine Information System Competition Week (ASIK) - Serang, Banten

Dec 2023 - Jan 2024

*Web-based AI Application Development*

- Developed a web-based application site for macrozoobenthos classification based on photos, titled "Bentosight"
- Modeled a predictive classification model for macrozoobenthos types using a deep learning CNN model with Xception architecture
- Achieved a model with an accuracy of 96.54% on training data and 84% on validation data after 20 epochs

### Scientific Diving - Tunda Island, Banten

Jun 2023

*Scientific Diving Research on Tunda Island, Banten*

- Collaborated with a sub-team of 4 people on dives to identify reef fish using the underwater visual census method and to identify coral reef diversity using the UPT method
- Analyzed 338 fish data from 1 station using formulas applied in Excel, which resulted in moderate fish diversity, high fish uniformity with stable communities, and low fish dominance
- Analyzed the classification of coral cover from 25 photos (UPT) using the CPCe Application, revealing an index between 25-49.9%, categorized as "medium"

### Modeling of Temperature and pH Estimation - Serang, Banten

Apr 2023 - Jun 2023

*Scientific Article - Researchers*

- Led the writing of a scientific article involving 3 people
- Modeled temperature and pH using the Support Vector Regression algorithm in Jupyter Notebook software, with parameters including Kernel, Gamma, C, and Epsilon
- Achieved model with a Mean Squared Error (MSE) percentage of 0.0337% from a dataset of 592 entries
- Achieved publication in a National Journal indexed by SINTA 4

### Web Development - Serang, Banten

Sep 2022 - Dec 2022

*Team members*

- Worked with a team of 13 to create a website using Leaflet JS and UI Bootstrap
- Created website titled "WebGIS Divespot di Wilayah Perairan Indonesia."
- Successfully produced a certificate of Intellectual Property Rights (IPR) for the developed project

## Committee Experiences

<b>Himataska - Cigondang Village, Labuan, Banten</b> <i>Committee of Desa Binaan Vol.II (Head of PDD Division)</i> <ul style="list-style-type: none"><li>Managed a team of 4, efficiently coordinating post-event activities</li><li>Assisted in capturing and organizing photo and video recordings during the 4-day event</li><li>Evaluated performance after events, assessing success and identifying areas for improvement</li></ul>	Nov 2022
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## Education Level

<b>Universitas Pendidikan Indonesia - Indonesia</b> <i>Bachelor Degree in Marine Information System, 3.79/4.00</i> <ul style="list-style-type: none"><li>Relevant Courses: Project Management Information System, Data mining, Web Programming, Object Oriented Programming, Remote Sensing</li></ul>	Sep 2021 - Jan 2025 (Expected)
<b>SMAN 3 - Babelan, Jawa Barat</b> <i>High School Diploma in science, 86.70/100.00</i>	Jul 2018 - May 2021

## Organisational Experience

<b>Himataska - Serang, Indonesia</b> <i>Staff of Pengabdian Masyarakat (DIMAS)</i> <ul style="list-style-type: none"><li>Executed the department's work program consisting of 3 programs in the Research and Development field and 2 programs in the Community Service field</li><li>Successfully engaged the participation of more than 15 students in an activity to understand the meaning of community service</li></ul>	Feb 2022 – Feb 2024
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## Skills, Achievements & Other Experience

<ul style="list-style-type: none"><li><b>Soft Skills:</b> Responsibility, Discipline, Teamwork, Communication, Critical thinking, Time management</li><li><b>Hard Skills:</b> Html, PHP, CSS, SQL, Python, Bootstrap, Microsoft Office (Word, Excel), ArcGIS, Canva</li><li><b>Achievements</b> ⓘ (2023): Journal Publication "Pendugaan Suhu dan pH Budidaya Ikan Air Tawar Menggunakan Support Vector Regression (SVR)"</li><li><b>Achievements</b> ⓘ (2023): Journal Publication "Analisis Perubahan Garis Pantai Tanjung Rengge Pulau Pari Menggunakan Citra Satelit"</li><li><b>Achievements</b> ⓘ (2022): Certificate of Intellectual Property Rights (IPR) on the work "WebGIS Divespot di Wilayah Perairan Indonesia"</li><li><b>Certificate</b> ⓘ (2023): Certiport's IC3 Digital Literacy International Certification</li><li><b>Certificate</b> ⓘ (2023): Data Science Basic Competency Certificate by Dicoding Academy</li><li><b>Certificate</b> ⓘ (2023): Python Programming Competency Certificate by Dicoding Academy</li><li><b>Certificate</b> ⓘ (2023): Structured Query Language (SQL) Basic Competency Certificate by Dicoding Academy</li><li><b>Projects</b> ⓘ (2024): Became the top 10 in the ASIK competition in making web-based applications with the title Bentosight</li><li><b>Projects</b> ⓘ (2023): Successfully completed a consulting project with partner PT. SUCOFINDO</li><li><b>Projects</b> ⓘ (2023): Produced a scientific report based on the identifications made during the scientific diving</li><li><b>Course</b> ⓘ (2023): Python, R, and SQL Fundamental for Data Science course at DQLab Academy</li><li><b>Course</b> ⓘ (2023): Front End Development -HTML Programs course at Great Learning Academy</li><li><b>Volunteer</b> ⓘ (2023): Volunteered for mangrove planting activity organized by Funhutan Indonesia on Pari Island, Kepulauan Seribu, DKI Jakarta to commemorate Indonesian Forest Day 2023</li></ul>	
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