



PRAMUDYA JESRIL PRATAMA

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Surakarta, Indonesia

Technical Artist & Graphic Designer with a background in Computational Physics. I bridge the gap between creative vision and technical execution. Experienced in automating design pipelines using Python (BRIN), creating award-winning visual identities, and developing game mechanics (Godot). An adaptive problem solver who combines mathematical logic with artistic sensibility to build efficient workflows.

PROFESSIONAL EXPERIENCE

Sribu, Designhill, Designcrowd Freelance Graphic Designer (Logo & Brand Identity)	May 2021 - Jan 2022
<ul style="list-style-type: none">Achievement: Secured 1st Winner in an international logo design contest, outperforming 150+ global designers.High Performance: Maintained a consistent 4/5 star rating across 20+ contest projects.Productivity: Delivered 150+ original logo concepts with rapid turnaround times (24-48 hours), demonstrating high efficiency under tight deadlines.	
National Research and Innovation Agency (BRIN) Computational Research Intern	Jan 2025 - Feb 2025
<ul style="list-style-type: none">Process Automation: Initiated and developed Python scripts to automate the manual extraction of 340+ mesh components, significantly reducing repetitive work and eliminating human error.Geometry Optimization: Implemented Laplace Smoothing algorithms to correct wave artifacts in 3D scan data, replacing inefficient manual reconstruction methods.Simulation Framework: Constructed alternative workflows based on open-source tools (FreeCAD, Gmsh, EGSnrc) for precise material definition in physical simulations.	
Phicos Multimedia (Project: Ministry of Education/ Kemendikbud) Freelance Illustrator	Jul 2024 - Aug 2024
<ul style="list-style-type: none">Visual Asset Production: Delivered full-book illustrations for two educational titles ("Lestari Lautku" & "Sepatu Kanan Kiri") under the Cergam Papua series.Creative Execution: Translated client briefs into high-quality visual narratives within strict deadlines.	
Physics Department Student Association Laboratory Assistant - Computational Physics	Sep 2025 - Dec 2025
<ul style="list-style-type: none">Mentorship: Mentored 170 students in understanding numerical algorithms and fundamental programming logic using MATLABCode Debugging: Performed rigorous code reviews and troubleshooting on student simulation scripts, sharpening skills in detecting syntax errors and logical flaws.Fundamental Scripting: Focused on teaching hard-coded algorithms (Looping, Array, Matrix Operations) to build strong computational foundations without relying on visual tools like Simulink.	
Gimersia 2025 Technical Artist & UI Implementer ("Guided" - Top 40 Game Jam)	Nov 2025
<ul style="list-style-type: none">Rapid Prototyping: Integrated visual assets and UI systems into Godot Engine within a strict 7-day development cycle.Collaboration: Coordinated with the core programmer and artist to ensure visual assets functioned technically within the gameplay logic.	
Python & Google AI API Self-Initiated	Jul 2025

AI-Powered Medical Data Automation for Dr. Feri S. Ambarwati Clinic (Prototype)

- **Python & AI Integration:** Developed Python scripts integrating Google AI Studio API to extract unstructured handwritten medical data (Javanese/Indonesian) into structured JSON formats.
- **Data Enrichment:** Built validation logic to auto-complete partial address data and standardize medical terminology from raw JSON output.
- **Ethical Compliance:** Executed a strategic project termination after Privacy Impact Assessment (PII Compliance), prioritizing patient data security over cloud-based automation.

Physics Student Association & BEM FMIPA UNS

Mar 2024 - Dec 2024

Media & Branding Specialist

- **Leadership:** Served as Vice Coordinator of Media for PKKMB 2024, leading the creative team to execute visual branding for the faculty's largest new student orientation.
- **Visual Strategy:** Managed end-to-end visual direction for 5+ major campus events (including Dies Natalis & Grand Assembly), overseeing digital assets and publication quality.

Physics Department Student Association

Jul 2023 - May 2024

Academic Peer Instructor (Advanced Physics)

- **Advanced Mathematics:** Selected to deliver intensive lectures on complex topics including Multivariable Calculus, Vector Analysis, and Special Relativity to bridge the gap in university curriculum.
- **First-Principles Teaching:** Deconstructed abstract mathematical theorems (e.g., Euler's Identity, Calculus Derivations) into intuitive logic, helping students grasp the fundamental "why" behind formulas used in physics.

EDUCATION LEVEL

Universitas Sebelas Maret - Surakarta, Indonesia

Bachelor of Science in Physics

SMA Negeri 1 Sragen - Sragen, Indonesia

SKILLS

- **Design & Art:** Affinity Designer (Expert), Clip Studio Paint, Adobe Illustrator, Inkscape, Figma, Krita.
- **Programming & Data:** Python (Automation/Data), Godot (GDScript), MATLAB, JSON Processing.
- **Engineering:** Arduino, ESP32, Circuit Prototyping, IoT Basics
- **Soft Skills:** Creative Problem Solving, Rapid Learning, Cross-disciplinary Communication.
- **Math & Logic:** Vector Analysis, Linear Algebra, Multivariable Calculus, Numerical Methods