

JOSHUA KLYNE P. PUDADERA

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SUMMARY

Computer Science graduate (2025) and published first-author researcher who verifies technical claims against primary sources before they ship. Ran an AI-assisted research and writing pipeline through 2026, producing long-form technical articles on AI and software engineering with a verification gate between draft and publication. Nearly five years maintaining records for a TESDA-registered training institution to government documentation standards and audit checklists. Fluent with LLM tooling, prompt engineering and AI image generation for explanatory visuals, and treats model output as a draft to be checked rather than an answer to be trusted.

RESEARCH, VERIFICATION & AI TOOLS

Research & source gathering: Primary-source research across government, academic and technical documentation · systematic literature and dataset sourcing · automated web scraping with Firecrawl · multi-source reconciliation across tabular, raster and vector formats

Verification & fact-checking: Claim verification against official documentation and peer-reviewed sources · citation and provenance tracing · completeness and consistency checks before publication · duplicate detection and entry locking · error and inconsistency tracing

AI tools & workflows: Claude (multi-step research workflows, projects and custom skills, including a medium-draft skill that outputs publication-ready drafts straight into Google Docs) · ChatGPT · LLM APIs and prompt engineering · Firecrawl for source scraping · AI image generation for diagrams and fact visualisations · Orange Data Mining (NLP)

Process & documentation: Working to agency SOPs and audit checklists · repeatable documented pipelines · citation and provenance tracking · version-controlled revision history · data dictionaries and technical documentation · academic writing to peer-review standard

Writing & publishing: Long-form technical articles of 1,200 to 2,500 words · Medium and LinkedIn · peer-reviewed journal publication · explanatory diagrams and visual summaries · editing for voice and consistency · Google Docs, Microsoft Word

PROFESSIONAL EXPERIENCE

Data Entry / Records Specialist | *Nenita Farm Rice-Based Farm Training Center*

Nov 2021 – Present

- Encode trainee, programme and scholarship records into T2MIS, TESDA's national training management information system, and maintain the compliance documentation behind them.
- Keep records audit-ready across three vocational programmes, working to agency documentation standards rather than internal convenience.
- Coordinate scholarship batch records with TESDA offices through the full lifecycle, from enrolment through training and assessment to billing.
- Prepare billing statements against government purchase orders and reconcile them against delivered records.

Backend AI Engineering Intern (Project-Based) | *FlyRank*

July 2026 – Present

- Work from written specifications and ship written documentation with every deliverable.
- Review AI-generated output against my own work line by line and document the differences, an audit that surfaced a logic error neither version flagged on its own.

AI Content Producer & Technical Writer | *Freelance (Remote)*

Jan 2026 – June 2026

Selected work: medium.com/@ai_transfer_lab

- Wrote long-form technical articles of 1,200 to 2,500 words on AI and software engineering for professional audiences on Medium and LinkedIn.
- Built a repeatable research pipeline in Claude: topic and niche validation, source gathering, automated scraping with Firecrawl, claim verification against official documentation and peer-reviewed sources, then an editorial pass for voice and consistency.
- Generated explanatory diagrams, facts sheets and visual summaries with ChatGPT, so verified facts read at a glance rather than as dense prose.
- Built a custom medium-draft Claude skill that outputs publication-ready drafts directly into Google Docs, removing the manual reformatting step between research and publishing.
- Verified every technical claim against primary sources before publication and ran the same pipeline on every article, so the process stayed auditable and the provenance of each claim traceable.

RESEARCH & PUBLICATIONS

Dengue Outbreak Forecasting Dataset & Model (Published Research)

Dec 2024 – May 2025

Published: IJLTEMAS Vol. XV Issue VI · DOI: 10.51583/IJLTEMAS.2026.150600192

- Assembled and reconciled a 2,918-row, 19-column monthly dataset spanning 2015 to 2024 from three incompatible source types: DOH-CHD SOCCSKSARGEN case records, Google Earth Engine rasters and NAMRIA shapefiles.
- Sourced the surveillance records from the regional health office, DOST PAG-ASA and NAMRIA. Checked completeness and consistency before pre-modelling methods.
- First author of four on the resulting published study. Reported the model's remaining underprediction of extreme spikes alongside its results rather than only its wins.

EDUCATION, CERTIFICATIONS & LEADERSHIP

Bachelor of Science in Computer Science | Notre Dame of Marbel University, Koronadal City | 2021 – 2025 | GPA 1.67

Introduction to Machine Learning on AWS · Leveraging AI for Text Analysis: NLP Using Orange Data Mining · Oracle Cloud Infrastructure 2025 Certified AI Foundations Associate · AWS Educate Introduction to Generative AI

President, Philippine Society of IT Students, NDMU Chapter (July 2023 – May 2024). Led chapter operations, coordinated IT workshops, represented NDMU at regional competitions, overall champion.