John Angelo Tarroza

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EDUCATION

Pamantasan ng Lungsod ng Muntinlupa **Muntinlupa**
BS, Computer Science 2022-2026
Relevant coursework:
- Software Engineering, Machine Learning, Artificial Intelligence, Database Management Systems, Operating Systems, Data Structures & Algorithms, Software Development & Web Technologies, Project Management & Team Collaboration.

Las Piñas National Senior High School-Doña Josefa Campus **Las Piñas**
Senior High School Diploma, TVL-ICT 2020-2022
- Graduated with High Honors (General Average: 95%)

PROJECTS

TECHNICAL PROJECTS
Phishing Detection | Python, Machine Learning
Thesis Project | January 2025 - Present
- Implemented ensemble learning algorithms combining multiple classifiers, improving detection accuracy by 25% compared to single-model approaches through rigorous testing and debugging
- Collaborated with academic advisors to gather technical requirements and document system architecture, creating comprehensive technical documentation and user guides
- Conducted code reviews and performance evaluations using accuracy, precision, recall, and F1-score metrics to optimize model reliability

Sales Analytics Dashboard | MySQL, Power BI, Excel, JavaScript
Personal Project | October 2025 - Present
- Built full-stack analytics solution developing 15+ complex SQL queries to extract, transform, and load sales data, improving reporting efficiency by 40%
- Designed and maintained interactive Power BI dashboard with 8+ visualizations tracking KPIs including revenue, profit margins, and regional performance metrics
- Created Excel-based tools with pivot tables and dynamic charts to analyze trends across 3 product categories and 4 regions, supporting cross-functional business decision-making
- Documented ETL processes and data transformation workflows for knowledge sharing and system maintenance

PokéDex Explorer | React, JavaScript, RESTful API, Tailwind CSS,
Personal Project | November 2025 - Present
- Developed and maintained responsive single-page web application using React framework, implementing version control with Git/GitHub for systematic code management
- Integrated RESTful API services to fetch and display data for 1,000+ entities, implementing error handling and debugging solutions for network failures and edge cases
- Engineered advanced filtering system with 8+ categories and debounced search functionality, reducing API calls by 70% through performance optimization and testing
- Built interactive comparison feature with dynamic data visualization using Recharts library, participating in iterative development and code review processes

TECHNICAL SKILLS
Programming Languages: Python, Java, JavaScript, C++, SQL, HTML/CSS
Development Tools: Git, GitHub, VS Code, Jupyter Notebook
Web Technologies: React, RESTful APIs, Tailwind CSS, Responsive Design
Data & Analytics: MySQL, Power BI, Excel, Data Visualization
Methodologies: Agile Development, Code Review, Version Control, Technical Documentation