Gem Rey Rañola

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Education

Dalubhasaan ng Lungsod ng Lucena　　　　　　　　　　　　　　　　Lucena City, PH

Bachelor of Science in Information Technology.　　　　　　　　　　　　June 12, 2025

Relevant Coursework: Introduction to Computing, Object-Oriented Programming, Data Structures and Algorithms, Database Management Systems, System Analysis and Design, Web Development Technologies. Awards and Honors: Dean's Lister, Most Promising IT Practitioner

St. Augustine School of Nursing　　　　　　　　　　　　　　　　　Lucena City, PH

Academic Honors: With Honors　　　　　　　　　　　　　　　　　　　June 2020

Experience

Cooperative Bank of Quezon Province　　　　　　　　　　　　　　　Lucena City, PH

Information Technology Intern　　　　　　　　　　　　　　　March 2025 – June 2025

- Developed a Fixed Furniture and Equipment (FFE) Inventory System and a secure Voting System tailored for cooperative governance, improving asset tracking and decision-making efficiency.
- Designed and implemented both frontend and backend using Django, PostgreSQL, and Tailwind CSS, collaborating closely with stakeholders to define requirements and plan deployment.
- Delivered full-stack solutions from initial design to deployment, enhancing maintainability and usability of organizational systems.
- Provided hardware setup, maintenance, and troubleshooting for workstations, network devices, and peripherals, including network configuration for stable connectivity.
- Reduced operational downtime through proactive IT support and infrastructure optimization.

DLL Alumni Office Information System　　　　　　　　　　　　　　Lucena City, PH

Full-Stack Developer　　　　　　　　　　　　　　　　　　March 2023 – Feb 2024

- Designed and developed a modular web application with React.js frontend and Django backend, improving alumni data management processes.
- Implemented database structures and ORM techniques in MySQL, enhancing data integrity and query efficiency.
- Applied frontend development concepts including data visualization and preparation, delivering an intuitive user experience.
- Ensured clean, scalable, and maintainable code across the full stack.

Leadership & Activities

ELITE (Elevating Leaders Innovatively Through Training and Excellence)　　Lucena City, PH

Founder & Former President　　　　　　　　　　　　　　　　May 2024 – July 2025

- Established a student-led organization providing technical event support for campus activities.
- Led initiatives to promote leadership, collaboration, and technical excellence among student organizations
- Conducted workshops and hands-on training on event presentation, sound system operation, and visual management

IT Paradigm – Department Organization   Lucena City, PH
Member   July 2022 – June 2025

- Facilitated peer-to-peer learning sessions on computer assembly and disassembly.
- Promoted foundational IT skill development among department members

Open iT Hackathon Codefest 2025   Lucena City, PH
Full-Stack Developer & Team Leader   July 2025

- Led a team in a 2-day competition among 10 teams from 5 schools to design and develop a gamification system for teams.
- Built a functional prototype to enhance engagement, motivation, and performance through game-based mechanics.
- Oversaw both frontend and backend development, ensuring seamless integration and rapid deployment under tight deadlines.

DICT Hack4Gov 2024, Region IV-A   LIMA Park Hotel, Batangas
Team Leader   May 2024

- Led a development team in creating solutions for cybersecurity and governance challenges under time constraints.
- Demonstrated leadership, technical expertise, and strategic decision-making in a competitive environment

DICT Hack4Gov 2023, Region IV-A   Calamba, Laguna
Participant   September 2023

- Collaborated with teammates to develop innovative solutions addressing cybersecurity and governance challenges.
- Applied threat detection, vulnerability assessment, and secure system design principles under time constraints.
- Presented proposed solutions to a panel of cybersecurity and government experts.

Skills & Interests

- **Technical**: HTML5, CSS, JavaScript, TypeScript, PHP, SQL (MySQL, PostgreSQL), Python, .NET (C#), React.js, Next.js, Django, Node.js, FastAPI, Flask, Tailwind CSS, DaisyUI, Django REST Framework, Pandas, NumPy, Axios, Zustand, ApexCharts.js, Seaborn, Matplotlib; VS Code, Visual Studio, Git, GitHub, Figma, XAMPP; Windows, Linux (Ubuntu, Kali)
- **Language:** English (Fluent), Filipino (Native)
- **Interests**: Hackathons, cybersecurity competitions, web development innovation, software development, mentoring student developers

References

Leonard Andrew Mesiera, MIT   **Alvin Jael**
BSIT Program Head   DLL Faculty
Dalubhasaan ng Lungsod ng Lucena   Dalubhasaan ng Lungsod ng Lucena
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