

Ellaine Dela Cruz

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EDUCATION

OUR LADY OF FATIMA UNIVERSITY QUEZON CITY *September 2021 – July 2025*
Bachelor of Science in Computer Science
• Relevant Courses: Operating Systems, Data Structures & Algorithms, Networking, Databases, Python Programming

SKILLS SUMMARY

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| • Programming Languages: | Python, SQL, JavaScript |
| • Libraries & Frameworks: | Django, Flask, Tailwind, Pandas, PySpark, Matplotlib |
| • Tools: | GIT, PostgreSQL, MySQL, SQLite |
| • Platforms: | GitHub, PowerBI |
| • Data Methods: | Data Cleaning, Data Modeling, Data Analysis, ETL |

WORK EXPERIENCES

Education Innovation Fellowship Intern *January 2025 – March 2025*
Eskwelabs
• Designed and facilitated two interactive workshops focused on empowering small communities, handling content creation, event hosting, and technical operations. Achieved average CSAT score: 9.6/10 with 18 participants per workshop.
• Authored three blog posts published on the company website, covering webinars and an onsite event focused on Data and AI.
• Designed a case study template with automation to streamline processes.

Data Engineering Intern *February 2025 – May 2025*
Stratpoint Global Outsourcing, Inc.
• Engaged in an intensive Data Immersion Training program, covering Python, SQL, data pipelines, and data visualization.
• Designed and delivered a complete end-to-end data analytics project, developing ETL pipeline, and transforming raw data into actionable insights through an interactive dashboard.

PROJECTS

Laila Clothing: Online Thrift Shop with Content Management System *August 2023 – June 2024*
Software Engineering Course, Our Lady of Fatima University – Quezon City
• Led a team of students as Project Manager, overseeing task delegation, coordinating meetings, and ensuring adherence to timelines and milestones.
• Developed a full-stack web application using Django for backend development, PostgreSQL for database management, and Vue.js/JavaScript for the frontend.
• Successfully deployed the application, keeping it operational for four months while ensuring seamless functionality.

NAVICAVI: A Web-Based Dental Cavities Detection and Segmentation of Panoramic Dental Radiographs Using CNN-Based Algorithm *January 2024 – December 2024*
Computer Science Thesis, Our Lady of Fatima University – Quezon City
• Designed, developed and maintained a web application as a Full-Stack Developer for automated dental caries detection using Flask, Bootstrap, Bulma, and PostgreSQL.
• Developed an SQLite-based solution for local development and testing, and deployed the application on Render for hosting, where it was successfully maintained for 2 months.
• Integrated the Caries and Tooth type computer vision model with the web application, working closely with the Machine Learning Engineer of the team to ensure seamless functionality.

Movie Analytics Project *January 2024 – December 2024*
Internship Final Project, Stratpoint Technologies Data Capability
• Built an end-to-end data pipeline to extract, clean, and transform raw CSV and JSON files from an S3 URL into structured format.
• Modeled the cleaned data and loaded it into a relational database to support complex SQL queries and analysis.
• Presented insights through a PowerBI dashboard, applying data storytelling to highlight key trends and metrics.

HONORS AND AWARDS

- Completed the Google Data Analytics Professional Certificate, gaining proficiency in SQL, data visualization, and analytical tools.
- Earned a DataCamp's Associate SQL Certification, demonstrating hands-on expertise in data management, exploratory data analysis using PostgreSQL.
- Volunteered as Lead Learner and Facilitator for Hour of Code 2024 hosted by DEVCON Kids Manila, teaching programming fundamentals via engaging activities to over 100 high school students across two public schools in Metro Manila.
- Volunteered as Swags & Emcees Committee member at PyCon APAC 2025, hosting talks and workshops while supporting the event merchandise logistics.