

Mark Edrian D. Celemen

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PROFESSIONAL SUMMARY

Innovative Computer Science student with a strong foundation in full-stack development and software engineering principles. Experienced in building responsive, scalable applications using MERN stack and agile methodologies. Strong in problem-solving, teamwork, communication, and analytical skills, ready to apply technical and leadership skills to deliver impactful software solutions

EDUCATION

De La Salle University – Malate, Manila

Expected Graduation: Aug 2027

- Bachelor of Science in Computer Science, Major in Software Technology, Minor in Data Science, Consistent Dean's Lister
- Relevant Coursework: Data Structures & Algorithms, Algorithms & Complexity, Database Systems, Computer Networks, Software Engineering, Web Development, Object-Oriented Programming, Artificial Intelligence, Discrete Mathematics, Statistical Modelling

EXPERIENCE

Student Researcher, Dr. Andrew L. Tan Data Science Institute – McKinley Hill Dr, Taguig

Jul 2025 – Present

- Selected for a competitive undergraduate research program in data engineering, machine learning, and predictive analysis
- Contributing to data aggregation and analysis projects across domains including business, education, and healthcare

IT Specialist, C & L Debt Collection Services – Bagong Pag-asa, Quezon City

Jan 2024 – Present

- Maintained 30+ client datasets at 99% accuracy by performing structured data wrangling in Excel
- Increased team efficiency by 70% by training staff on Microsoft Office and troubleshooting IT issues

PROJECTS

SlipStream, Software Engineering Course – [GitHub Link](#)

May 2025 – Aug 2025

- Managed an 8-member team using Jira and SDLC, ensuring on-time delivery of an attendance and employee management system
- Engineered a full-stack app with React.js, Node.js, Express.js, and MongoDB that streamlines employee records and time slips
- Integrated a system with 8 features to enhance record management, including file-to-database integration and a mass emailer

DLSU Eatery Pathfinder, Artificial Intelligence Course – [GitHub Link](#)

May 2025 – Jun 2025

- Created an AI-powered navigation system using UCS and A* to identify optimal eatery routes with multi-criteria scoring
- Designed frontend with HTML/CSS, JavaScript, and Bootstrap for visualize map and display fast path queries under 50ms
- Constructed dynamic graph management in Python and JavaScript to support real-time updates to state space and goals

rabble*, Web Development Course – [GitHub Link](#)

Jan 2025 – Apr 2025

- Developed a full-stack forum app with that handles CRUD operations, user authentication, and search functionality
- Styled frontend with HTML/CSS, JavaScript, and Figma, and deployed the demo app on Render for public access
- Integrated RESTful APIs with Node.js, Express.js, and MongoDB, and managed pull requests and resolved merge conflicts

Library Management System, Harvard CS50x – [GitHub Link](#), [Certificate of Completion](#)

Dec 2024

- Programmed a full-stack user and inventory management system using Flask and MySQL with responsive HTML/CSS UI

LEADERSHIP

Team Head of Events, Award-Giving Bodies 2025

Mar 2025 – Jul 2025

- Led a 4-member team that optimized the selection process by orchestrating 83 interviews across hybrid settings
- Improved coordination and cut interview delays by 94% by creating an interview tracker system and screening process

Head of Operations & Student Ambassador, World Vision PH Student Ambassadorship Program

Nov 2023 – Jun 2024

- Directed a 4-member team to manage logistics, operations, finances, and external affairs for a fundraising concert
- Raised ₱3,000, secured 4 performers and 3 speakers, and ensured 100% operational coverage

SKILLS

- **Programming Languages:** C, Java, Python, JavaScript, HTML/CSS, SQL
- **Frameworks & Libraries:** Node.js, Express.js, React.js, Flask, Bootstrap, Mongoose
- **Databases & Version Control:** MongoDB, MySQL, Git, GitHub
- **Tools:** VS Code, Jira, Figma, Render, MS Office, Google Workspace, Notion

AWARDS

- **Organizational Awards:** LSCS 2-Time Top 1 Socio-Civic Officer: Top 1 Overall in Term 2 (2025) and Top 5 Overall in Term 1 (2024)
- **Math Competitions:** SFHS Mathira Matibay Semifinalist (2021), SFHS Math Team Quiz Bee 4th place (2019)