

# Mark Edrian D. Celemen

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## PROFESSIONAL SUMMARY

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Innovative Computer Science student with a strong foundation in software engineering and full-stack development. Experienced in building responsive, scalable applications using React, Node.js, Express, MongoDB, MySQL, and JavaScript. Strong in problem-solving, teamwork, communication, and leadership, ready to apply technical and leadership skills to deliver impactful software solutions

## EDUCATION

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**De La Salle University, College of Computer Studies – 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

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**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

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**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

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**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

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- **Programming:** C, Java, Python, JavaScript, HTML/CSS, SQL, Node.js, Express.js, React.js, Flask, Bootstrap, Mongoose
- **Technologies:** RESTful API integration, CI/CD, Unit Testing, Test Automation, Cloud deployment, Data Analysis, MySQL, MongoDB
- **Tools:** Git, GitHub, VS Code, Jira, Figma, Render, Google Workspace/Microsoft Office, Notion

## AWARDS

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- **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)
- **Language Competitions:** SFHS Literature and Language Quiz Bee Champion (2021), DepEd EdTech Review Game 1st Place (2021)