

Merrill Rajesh Dmonte


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Summary

Passionate Computer Engineering student skilled in building impactful solutions that align with Sustainable Development Goals. Experienced with full-stack development, AI/ML integration, and cloud platforms. Strong problem-solving skills and a drive for creating user-friendly, scalable applications.

Projects

- E-Waste Facility Locator** 

Apr 2025
- Built a full-stack e-waste locator with Next.js (React, TypeScript, Tailwind) and Node.js API routes, using MongoDB/Mongoose for secure persistence. Integrated Mapbox for nearby center discovery, Python ML (scikit-learn/XGBoost) for value/category predictions, user auth and booking with image uploads, email notifications via Nodemailer, and a Gemini-powered educational chatbot to promote responsible disposal.
- Bank Management System** 

Dec 2024
- Built a Java Swing desktop banking app with secure login/signup, PIN management, and onboarding. ATM-style flows: deposit, withdrawal, fast cash, balance inquiry, and mini statements. JDBC + MySQL with prepared statements, validation, and robust exception handling.




Education

- BE Computer Engineering**, *Fr. Conceicao Rodrigues College of Engineering, Mumbai University*
CGPA: 7.97 (till Sem VI) | Pursuing
- HSC**, *Patil Utkarsha Jr College, Maharashtra Board* | 70% | 2022
- SSC**, *Carmel Convent High School, Maharashtra Board* | 91.20% | 2020

Technical Skills

- Languages:** Java, Python, JavaScript, C, C++, HTML, CSS, TypeScript
- Frameworks & Libraries:** React JS, Next JS, Tailwind CSS, Express JS, Node JS
- Databases:** MySQL, MongoDB, Postgres SQL
- Cloud & DevOps:** AWS, Git, Docker
- Other Skills:** OOPM, UI/UX Basics

Certificates

- AWS Academy Graduate - Cloud Architecting - Training Badge 
- AWS Academy Graduate - Microservices and CI/CD Pipeline Builder - Training Badge 
- AWS Academy Graduate - Cloud Web Application Builder - Training Badge 

Additional Skills

Quick Learner, Time Management, Team Collaboration, Attention to Detail, Problem Solving