

Merrill Rajesh Dmonte

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📍 Mumbai, India

🔗 Portfolio

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🐙 <https://github.com/Merrill04>

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

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|--|--|---|
| • 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 🔗 |
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Additional Skills

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