VIVEKANANDA DEY

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SUMMARY

Computer Science graduate with backend and database experience, seeking a Software Developer role to contribute to organisational success while expanding technical skills and exploring new technologies.

EXPERIENCE

PHP Developer

Softech ERP Solutions Pvt. Ltd. — Kolkata, WB   February 2025 – Present

- Developed and maintained ERP/CRM modules, ensuring smooth stock management and reporting.
- Built and optimized backend features using PHP, MySQL, and server-side scripting.
- Improved system performance and scalability for live production environments.
- Collaborated with cross-functional teams to automate business workflows.

IT Engineer

Alucom Façade Solution Pvt. Ltd. — Kolkata, WB   August 2024 – February 2025

- Managed network applications and monitored system performance. and Troubleshot technical issues and assisted in project costing and specifications.

PROJECTS

IoT-Based Smart Dustbin Management System

- Developed an intelligent IoT system to automate waste segregation.
- Optimized collection and disposal for bio and non-biodegradable waste.

KEY PROFESSIONAL PROJECTS

Infrastructure Asset Management System (Government Transportation Domain)

- Developed a custom web-based system to track and manage overhead railway equipment across multiple divisions, cities, locations, rail lines, and assets.
- Designed hierarchical master modules (Division → City → Location → Rail Line → Equipment) with full add, edit, list, and delete functionality.
- Implemented geo-location mapping using latitude–longitude and location-name conversion, enabling asset visualization and filtering.
- Built multi-location map views using **Leaflet.js** as a cost-effective alternative to Google Maps.
- Developed bulk Excel migration utilities with validation, auto-master creation, and detailed success/error reporting.

ShipSnap – Container Pre-Shipment & Post-Shipment Management System (Logistics Domain)

- Developed a container lifecycle management system supporting pre-shipment and post-shipment workflows for container rental and sales operations.
- Designed logic to handle direct post-shipment processing without pre-shipment for special operational scenarios.
- Implemented location-based access control, restricting users to view and operate only on authorized locations.
- Built detailed reports for container movement, availability, pre-shipment, and post-shipment activities.

Leather Export & Sample Inventory ERP System (Manufacturing & International Trade)

- Developed a custom ERP to manage buyer profiles, product samples, inventory, and production workflows for leather goods manufacturers.
- Implemented sample lifecycle tracking including received, issued to teams, returned, retained, sold, or gifted samples.
- Designed team assignment modules to issue samples to manpower teams and track returns with full audit history.
- Implemented multi-currency pricing (INR, USD, EUR) with FOB, EXW, and CIF cost calculations for international trade.
- Built quotation, stock, and buyer-wise reports using dynamic charts and PDF generation.

ACHIEVEMENTS

- Led the team in developing the IoT-Based Smart Dustbin Management System.
- Winner of the Debugging Competition at the 2019 College Fest.

EDUCATION

Bachelor of Computer Science and Engineering (CSE), MAKAUT University   July 2021 – July 2024
Diploma in Computer Science and Technology (CST), WBSCTE University   July 2018 – July 2021
Madhyamik (Class 10), WBBSE   January 2017 – June 2018

SKILLS

Frontend:	HTML, CSS, JavaScript, Bootstrap, jQuery
Backend:	PHP, Python
Database:	MySQL
Soft Skills:	Communication, Problem Solving, Team Player, Quick Learner