

Joywin Neil Lasrado

Portfolio: <https://joywinlasrado.vercel.app>

Github: <https://github.com/JoywinNeilLasrado>

Email: joywinlasrado997@gmail.com

Mobile: +917760354860

Linkedin: <https://www.linkedin.com/in/joywinneillasrado>

EDUCATION

- **St. Joseph Engineering College** Mangaluru, India
Bachelor of Engineering - Computer Science and Engineering (Data Science); GPA: 8.27 December 2022 - June 2026
- **St. Aloysius Pre-University College** Mangaluru, India
PUC - PCMC (Physics, Chemistry, Mathematics, Computer Science); Percentage: 81.6 June 2020 - March 2022

SKILLS SUMMARY

- **Programming Languages:** Python, C, SQL, Java, R, PHP.
- **Frameworks:** Spring Boot, Laravel, Flutter.
- **Other Tools & Technologies:** AWS, Git, MySQL, Linux, Postman, Docker, ETL, AWS S3, AWS EC2, Data modeling, API Development, Prompt Engineering, Claude AI, Gemini AI.
- **Soft Skills:** Leadership, Problem-solving, Time Management, Attention to Detail, Communication.

WORK EXPERIENCE

- **Petrocon Engineers and Consultants** Mangaluru, India
Software Engineer Intern *February 2026 - March 2026*
 - **Key Responsibility 1:** Engineered scalable RESTful APIs using Laravel, implementing core business logic and routing to support web application features.
 - **Key Responsibility 2:** Conducted rigorous endpoint testing and validation using Postman, ensuring secure data handling, fast response times, and zero-defect API integration, while gaining practical exposure to AWS cloud environments.

PROJECTS

- **Full-Stack E-Commerce Platform:** <https://github.com/JoywinNeilLasrado/e-commerce-web-app-.git>
PHP, Laravel, MySQL, Tailwind CSS, PayU API
 - **Backend Architecture:** Architected a scalable MVC web application utilizing the Laravel framework, implementing secure JWT authentication and Role-Based Access Control (RBAC) for dedicated admin and user dashboards.
 - **Payment & Order Integration:** Engineered a complete, secure checkout pipeline by integrating the PayU payment gateway, enabling automated order tracking, payment processing, and refund status management.
 - **Feature Development:** Developed a highly responsive frontend utilizing Blade templates and Tailwind CSS, deploying complex functionalities including dynamic product variants, shopping carts, wishlists, and user review systems.
- **Helpdesk Ticketing System:** <https://github.com/JoywinNeilLasrado/Ticket-Supporting-System.git>
Python, Django REST Framework, React, TypeScript, Docker
 - **Backend Architecture:** Engineered a robust backend using Python and the Django REST Framework, developing scalable API endpoints for secure ticket creation, assignment, and lifecycle management using Gemini LLM.
 - **Frontend Development:** Built a dynamic, responsive Single Page Application (SPA) utilizing React and TypeScript, featuring real-time statistical dashboards and intuitive user interfaces for efficient issue tracking.
 - **Containerization:** Architected and containerized the entire full-stack application environment using Docker and Docker Compose, ensuring seamless local development and highly reproducible deployment pipelines.
- **Air Quality Index (AQI) Predictive Model:** <https://github.com/JoywinNeilLasrado/AQI-prediction>
Python, Scikit-learn, Pandas, Data Visualization, Streamlit/Flask
 - **Data Pipeline & EDA:** Conducted comprehensive Exploratory Data Analysis (EDA) across massive environmental datasets, utilizing Pandas and Matplotlib to identify pollution trends and feature correlations.
 - **Predictive Modeling:** Engineered and trained robust machine learning regression models to accurately forecast Air Quality Index (AQI) metrics based on historical atmospheric data.
 - **Web Deployment:** Developed and deployed an interactive web application to integrate the trained machine learning model, enabling end-users to input custom parameters and receive real-time AQI predictions.

CO-CURRICULAR ACTIVITIES AND ACHIEVEMENTS

- **Web development challenge:** Led a collaborative team and delivered an innovative cloud-ready web solution to secure 1st place in this event.
- **Class Representative:** Served for 4 consecutive years. Facilitated communication with attention to detail.
- **Joint Secretary:** Coordinated student body activities and academic networking events to promote engagement across departments.