ALWIN XAVIER A
8438783240
alwinxaviera19@gmail.com
LinkedIn|GitHub|Website

EXECUTIVE SUMMARY

Electronics and Communication Engineering (ECE) student with a strong foundation in full-stack web development, backend systems, and API integration. Proficient in Django, Django REST Framework, SQL/NoSQL databases. Strong in data structures, algorithms, and debugging, with a keen interest in problem-solving and system optimization. Solved 150+ DSA problems on LeetCode. Seeking to contribute to innovative software solutions with a relentless drive to bring world-class innovation.

EDUCATION

University College of Engineering ,Tindivanam   2021-2025
BE in Electronics and Communication -7.33 CGPA

Carmel HSS ,Nagercoil - 12th Grade-Percentage :85%   2020-2021
Carmel HSS ,Nagercoil - 10th Grade-Percentage :80%   2018-2019

TECHNICAL SKILLS

Programming languages: Python, C, JavaScript.
Frontend & Database: HTML5, CSS3, Bootstrap, SQL.
Cloud Platforms: AWS (EC2, S3, IAM, RDS, CloudWatch , Elastic Beanstalk, Route 53).
Libraries & Frameworks: Django, Django REST Framework.
Version Control, API & Testing Tools: GitHub, Git, Postman, REST API, JWT authentication.
Core Fundamentals: OOP, DSA.

PROJECTS

HungerHalo (Source Code) **[Django | Django REST Framework | JWT | Git | Postman]**

- Architected and implemented a role-based backend system using Django REST Framework (DRF) with isolated data access control for different user categories.
- Developed and integrated JWT (JSON Web Token) authentication with HttpOnly cookie-based token storage for secure, stateless session management, preventing XSS/CSRF attacks.
- Tested all APIs using Postman, creating a complete collection with authentication token workflows and environment variables for quick role-based testing.
- Collaborated with a frontend developer (React) to integrate APIs, follow version control best practices, and maintain consistent workflows.

Ecommerce Website (Source Code) **[Django | Python | HTML | CSS | JavaScript | Django Templates | PayPal Integration]**

- Built a scalable full-stack eCommerce platform using Django's MVC architecture with server-side rendered templates for SEO-optimized product pages and integrated HTML, CSS, and JavaScript for responsive, interactive UI.
- Implemented dual cart handling logic -database-persistent cart for authenticated users and cookie-based JSON cart for guest users, with seamless merging into the database at checkout.
- Integrated PayPal payment gateway with secure transaction ID generation, CSRF protection, and automatic order status updates upon successful payment confirmation.

Weather App (Source Code) **[Django | Python | HTML | CSS | JavaScript | Weather API Integration]**

- Developed a Django-based weather forecasting application integrating a third-party weather API to fetch real-time temperature, humidity, and condition data for any global location.
- Implemented robust error handling and debugging techniques to manage API downtime, invalid city inputs, and network latency, ensuring consistent and reliable data delivery to end users.
- Designed a responsive, user-friendly interface using HTML, CSS, and JavaScript to display live forecasts, hourly updates, and dynamic weather icons across desktop and mobile devices.

CERTIFICATIONS

- Python with Django Projects - **Udemy**
- Python(Basics), SQL(Intermediate) - **HackerRank**
- SQL(Basic-Advance) - **Geekster**
- FullStack Development Workshop - **CSMIT**
- Project on HTML CSS-Landing Page Design - **Infosys Springboard**

ACHIEVEMENTS

- Solved 150+ DSA problems on LeetCode, enhancing data structure and algorithm proficiency.
- Achieved 100 Days LeetCode 2025 Challenge Badge, demonstrating consistency and commitment to problem-solving.
- Achieved 5-star in SQL,3-star each in C and Python on HackerRank, showcasing strong coding and problem-solving skills.