

Vishnu C

PYTHON FULL STACK DEVELOPER

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Profile Summary

- Full-Stack Developer with a strong foundation in Python and Django, complemented by expertise in Python, Django, JavaScript, React, HTML, CSS, Bootstrap, Tailwind, Redux, and both SQL and NoSQL databases. Currently focused on creating scalable applications with RESTful APIs.

Technical Skills

Languages : Python, JavaScript, SQL
Frontend : React.js, Redux, HTML, CSS, Tailwind CSS, Bootstrap
Backend : Django, REST Framework, ORM, DTL
Databases : PostgreSQL, MongoDB
Familiar with : Postman, Figma, Firebase
Integrations : CI/CD, Cloudinary, Razorpay
Tools & Platforms : Git, AWS, GCP, Docker, JWT, Postman, Figma
Additional Skills : Data Structures and Algorithms

Projects

AGRI-FLOW : Farmer Community Platform (Feb 2025 – Jul 2025)

[Live Link](#) | [GitHub](#)

AgriFlow is a community-based web platform built for farmers to connect, share posts, trade products, and organize agricultural events featuring real-time chat, product marketplace, and notification system.

- **Technologies:** Django, Django Rest Framework, PostgreSQL, Django Channels, WebSockets, Redis, Celery, React, Redux, Tailwind CSS, HTML/CSS, JavaScript
- Developed a full-stack web application with **Django** and **React** using a decoupled architecture to ensure high performance and scalability.
- Engineered key backend functionalities using **Django Rest Framework** with robust API endpoints for user authentication, post creation, marketplace listings, and event handling.
- Implemented secure authentication with **JWT** and session handling to protect user data and enhance login reliability.
- Designed an interactive and mobile-responsive frontend using **React**, **Redux**, and **Tailwind CSS** to provide a seamless user experience for farmers of all technical levels.
- Integrated real-time chat and notifications using **WebSockets** and **Django Channels** to enable instant communication between users.
- Enabled live video conferencing through **ZegoCloud** to facilitate virtual farming workshops, discussions, and knowledge-sharing sessions.
- Utilized **Cloudinary** for efficient image and video uploads, ensuring smooth media management across the platform.
- Used **Docker** to containerize the backend and set up **CI/CD** pipeline with **GitHub Actions** for smooth and automated deployment.
- Deployed the backend on **GCP** for scalable cloud infrastructure, while the frontend was hosted on **Vercel** to achieve fast content delivery and optimal performance.

CYCULAR : E-commerce Platform for Selling Cycles (Jul 2024 - Oct 2024)

[Live Link](#) | [GitHub](#)

Cycular is a comprehensive e-commerce platform designed for selling bicycles. It provides a seamless shopping experience for users and robust admin tools for managing products, orders, users, and promotions. This was my first full-scale e-commerce application built using Django and DTL.

- **Technologies:** Django, PostgreSQL, HTML5, CSS3, JavaScript, Bootstrap, Razorpay, AWS, Git, GitHub
- Built a dynamic full-stack e-commerce application using **Django** and **Django Template Language (DTL)**, handling both user and admin workflows.
- Implemented OTP-based user registration and login, alongside Google SSO for seamless and secure authentication.
- Created product catalog with detailed cycle listings, including stock, pricing, images, and reviews.
- Developed advanced **search and filter** options by category, price, and rating to enhance user experience.

- Designed and integrated a cart and checkout system with support for **Razorpay**, wallet payments, and COD.
- Engineered admin dashboard to manage users, products, orders, and categories efficiently.
- Enabled order tracking and management, with PDF-based sales report generation for performance analysis.
- Integrated coupon management and promotional offer system to boost product visibility and sales.
- Deployed the application on **AWS EC2** for scalability and ensured code versioning via **Git and GitHub**.

Mini Projects

OLX Clone : Product Marketplace

[GitHub](#)

- * Developed a fully responsive product listing platform using **React** and styled with **Tailwind CSS**, enabling real-time product updates via **Firebase Realtime Database**.
- * Implemented secure user authentication and Google Single Sign-On using **Firebase Authentication**, ensuring seamless and reliable login experience.

NETFLIX Clone : Movie Streaming Platform

[GitHub](#)

- * Built a sleek movie streaming UI using **React** and **Tailwind CSS**, dynamically displaying content fetched from the **TMDB API**.
- * Integrated user authentication via **Firebase Email/Password** sign-in, allowing secure access to personalized movie recommendations.

Education

BrotoType (Full Stack Web Development Bootcamp)

Feb 2024 – Present

Calicut, Kakkancheri

- * Completed a 1 year 4 month full-time program focused on Python, Django, React.js, PostgreSQL, Docker, and Git.
- * Transitioned from a non-IT background to developing and deploying scalable, industry-ready full stack web applications.
- * Built and deployed two major projects: **AgriFlow** (farmer community platform) and **Cycular** (e-commerce app).
- * Collaborated using GitHub, Agile workflow, JWT auth, RESTful APIs, and cloud deployments.

Kannur University

March 2020 – 2023

Taliparamba, Kerala

Bachelor of Science in Mathematics

OGPA: 8.206/10 **Grade:** A (with Distinction)