

# NIHAL ROSHAN C K

+91 7994329090 · [nihalroshan55@gmail.com](mailto:nihalroshan55@gmail.com) · [@github:Nihalroshan55](https://github.com/Nihalroshan55)  
[@leetcode:NihalRoshan](https://leetcode.com/NihalRoshan)

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## PYTHON FULL STACK DEVELOPER

I am a self-motivated and self-taught Python Django React full-stack developer with a passion for creating robust and innovative web applications. With a strong foundation in Python and extensive experience in building web solutions with Django on the backend and React on the frontend, I am adept at translating complex ideas into efficient and user-friendly software. I thrive in fast-paced environments, delivering scalable and maintainable code while continuously staying up-to-date with the latest industry trends and best practices. My ability to work both independently and collaboratively, coupled with my problem-solving skills, allows me to contribute effectively to project success and drive results. I am dedicated to delivering high-quality, well-tested, and elegant solutions that meet the needs of clients and end-users alike

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## TECHNICAL SKILLS

- React.js
  - Python Django
  - Redux
  - Django REST Framework
  - PostgreSQL
  - HTML
  - JWT (JSON Web Tokens)
  - jQuery
  - AJAX
  - Linux
  - Docker
  - CSS
  - Tailwind CSS
  - Material UI
  - Figma
  - Data structures
  - AWS (Amazon Web Services)
  - EC2 (Elastic Compute Cloud)
  - NGINX
  - Postman
  - WebSocket
  - JavaScript
  - C
  - Java
  - MongoDB
  - Git
  - Bootstrap
  - Redis
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## PROJECTS

### ECOMMERCE WEB APPLICATION KAIRA ECOM

I have developed a comprehensive e-commerce web application named 'Kaira Ecom,' showcasing my proficiency in full-stack development. Leveraging a tech stack that includes HTML, CSS, JavaScript, and Bootstrap for the frontend, and Python Django with PostgreSQL for the backend, I created a feature-rich platform. 'Kaira Ecom' offers an array of functionalities, including:

#### Features

- **Shopping Cart and Wishlist:** Seamlessly manage shopping carts and wishlists for an enhanced shopping experience.
- **Order Management:** Generate detailed order summaries, dynamic order invoices, and provide the ability for users to cancel orders.
- **Refund Processing:** Implemented a refund feature to handle customer returns and refunds efficiently.
- **Coupon System:** Implemented an advanced coupon system to offer discounts and promotions to customers.
- **Payment Integration:** Integrated secure payment processing through Razorpay, ensuring safe and convenient transactions.
- **Product Variants:** Enabled the addition of product variants for a more extensive product catalog.
- **Authentication and Authorization:** Implemented user authentication and authorization for secure login and access control.

- **Admin Dashboard:** Designed a responsive admin dashboard with full CRUD (Create, Read, Update, Delete) capabilities for product, customer, and order management.
- **Revenue Statistics:** Provided in-depth revenue statistics and insights to facilitate informed decision-making.

## **RUNWAY - LOGISTICS WEB APPLICATION**

I spearheaded the development of 'Runway,' a dynamic web application tailored for efficient logistic management. 'Runway' seamlessly integrates React.js, Tailwind CSS, Redux, Django, and PostGIS for a robust tech stack. Leveraging industry-standard technologies such as JWT for authentication, Django Channels for real-time communication, and Django Celery with Redis for task scheduling, 'Runway' delivers a comprehensive solution. This multifaceted platform comprises five distinct modules catering to users, hubs, hub office staff, hub delivery staff, and administrators.

### **Features**

- **Product Booking:** Streamlined product booking, allowing users to place orders effortlessly.
- **QR Code-Enabled Address Generation:** Generated QR codes for addresses, ensuring quick and accurate tracking.
- **Interactive Chat Functionality:** Implemented chat functionality for seamless communication among hub admins and staff members.
- **Route Optimization:** Developed a proprietary algorithm for calculating the shortest routes, enhancing order delivery efficiency.
- **Real-time Notifications:** Automated notifications to hub admins with comprehensive product details after booking.
- **Cost Calculation:** Precise cost estimation for orders, providing transparency to users.
- **Hub and Hub Staff Management:** Enabled easy addition of new hubs and hub staff members.
- **Delivery Scheduling:** Scheduled deliveries with notifications for pending deliveries using Django Celery.
- **Geospatial Features:** Leveraged PostGIS for storing hub locations, ensuring accurate location data.
- **Payment Integration:** Seamless payment options for users when booking orders, including cash on delivery with automatic transfer to the respective client.

## **MINI PROJECTS**

**Github:// Shorin Ryu**

### **NETFLIX CLONE | Github:// NETFLIX**

- Netflix clone using react JS and Netflix API.

### **OLX CLONE | Github:// Weather-App**

- OLX clone using react JS and authentication using firebase

### **TO DO APP**

- ToDo App using react.

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## **EDUCATION**

### **Bachelor of Commerce**

Calicut University

**July-2019-March-2022**

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