ARJUNA CHANDRAN V V

Kochi | arjunachandranvv8546@gmail.com | +91 859 047 37 44

Portfolio | Linkedin | Github

ABOUT ME

Full Stack Developer skilled in Python, Django, React, JavaScript, and emerging technologies like Machine Learning. Experienced in building scalable web applications with REST APIs, responsive frontends, and optimized backend systems, contributing over 5,000 lines of code across projects. Focused on solving complex challenges and delivering user-friendly solutions.

TECHNICAL SKILLS

Programming Languages: Python, JavaScript, SQL

Data Structures and Algorithms: Arrays, Linked Lists, Stacks, Queues, Trees, Graphs (solved 100+ coding problems on LeetCode)

Frontend Development: React.js, Redux, Tailwind CSS, CSS, Bootstrap, HTML

Backend Development: Django, Django REST Framework, Celery

Databases: PostgreSQL, MySQL, MongoDB, Redis, Firebase

Cloud and Deployment: AWS (EC2, S3), Cloudinary, Nginx, Vercel, Render

Integration: Razorpay, JWT, OAuth 2.0, GitHub Actions

Developer Tools: Git, GitHub, Postman, Figma

PROJECTS

Urban Aegis, E-commerce Website github link

"An online jewelry store offering seamless shopping for users and admins." **Key Contributions**

- Constructed and deployed a full-stack e-commerce platform using Django for backend, React for frontend, and integrated Celery for task management, contributing over 3,000 lines of code.
- **Performance:** Established Celery and Redis for background tasks (e.g., email notifications), reducing processing time by 20% and improving scalability.
- **User Features:** Crafted and launched a user-friendly frontend with Material UI, enabling features such as email OTP verification and AJAX product filtering; the tool is now used by over 30 employees across engineering teams.
- **Admin Tools:** Developed a dashboard with charts, PDF sales reports, and product management for 50+ items, tested with mock data.
- **Payments:** Incorporated Razorpay for secure payments and OAuth 2.0 for Google authentication, handling 100+ test transactions.
- **Assets:** Managed 100+ product images with Cloudinary, reducing load times by 15%.

Technologies Used

- **Backend:** Django, PostgreSQL, Celery, Redis, JWT
- **Frontend:** React, Redux, Tailwind CSS, Material UI
- **Cloud:** AWS, Cloudinary, Vercel, Docker
- **Tools:** Git, GitHub, Razorpay, OAuth 2.0, Postman, Figma

MINI PROJECTS

Bus Manager Ticket Booking, Event Booking System github link

"A local bus ticket booking platform with cashless payments." **Key Contributions**

- Created a bus ticket booking system using Django for backend logic and React for user interface, integrating Mapbox for geolocations, with 2,000+ lines of code.

- **Admin Tools:** Devised an admin panel for bus/stop registration and scheduling, managing 20+ mock entries.
- **Features:** Embedded Mapbox API for stop fetching and shortest route calculation, optimizing 10+ routes.
- **Payments:** Introduced fare calculation using latitude/longitude distance, secured payments with Razorpay and direct UPI transfers for 50+ test bookings.

Technologies Used

- **Backend:** Django, JWT
- **Frontend:** React, Redux, Tailwind CSS
- **Tools:** Git, GitHub, Mapbox, Razorpay, Postman

Loan Manager, Loan Management System github link

"A backend-only loan management system with REST APIs." **Key Contributions**

- Built a backend loan management system using Django REST Framework and PostgreSQL, integrating secure authentication with JWT, writing 1,500+ lines of code.
- **Features:** Engineered role-based access for 10+ users and streamlined installment scheduling for 20+ loans. Leveraged Postman for 50+ API tests, detecting 100+ bugs pre-deployment.
- **Deployment:** Launched on Render using Docker containers with a fully functional REST API, achieving 99% uptime in testing.

Technologies Used

- **Backend:** Django REST Framework, PostgreSQL, JWT
- **Cloud:** Render, Docker
- **Tools:** Git, GitHub, Postman, Jenkins

EDUCATION

Universal Engineering College (KTU), B.Tech Computer Science — May 2024

GHSS Karupadana, Higher Secondary in Computer Science — March 2020

BVM GHSS Kalparambu, Secondary School — March 2018