ARJUNA CHANDRAN V V

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

linkedin.com/in/arjunachandranvv | github.com/Arjuna8546

ABOUT ME

A self-driven and aspiring software developer with hands-on experience in web development, specializing in **Python**, **Django**,**React** and **PostgreSQL**. Successfully developed and deployed a fully functional e-commerce website on **AWS**. Passionate about building robust applications and continuously improving problem-solving skills through **DSA** (Data Structures and Algorithms) and **LeetCode**. Eager to leverage technical expertise and contribute to impactful projects while continuously learning in a dynamic environment.

WORK EXPERIENCE

Professional Development Program, Packapeer Academy — August 2024 – Present

Actively participating in an intensive self-learning program focused on full-stack web development, data structures, and algorithms. Gained hands-on experience with real-world projects, continuous mentorship, and performance reviews, strengthening technical expertise and problem-solving skills.

EDUCATION

Universal Engineering Collage (KTU), B.TECH Computer Science — May 2024

GHSS Karupadana,Higher Secondary in Computer Science — March 2020

BVM GHSS Kalparambu, Secondary School — March 2018

PROJECTS

Urban Aegis, E-commerce Website — github.com/Arjuna8546/UrbanAegis.git

An online Jwellery store offering a seamless shopping experience with advanced features for both users and administrators.

Key Features

- **Optimized Performance and Automation: Celery** and **Redis** for handling background tasks such as email notifications and order processing.**Celery Beat** for periodic automated tasks like order status updates and inventory checks.
- **User Experience Enhancements:** Integrated email OTP verification during signup, advanced AJAX-based product filtering, offers, coupons, wishlist, wallet, carts, and invoice generation for delivered products.
- **Admin Dashboard:** Dynamic dashboard with interactive charts, sales reports downloadable in PDF and Excel formats, and complete management of products, offers, and users.
- **Secure Payments:** Integrated Razorpay for secure payment processing and OAuth 2.0 for Google authentication.
- **Cloud Storage:** Utilized Cloudinary for efficient product image management.

Technologies Used

- **Backend:** Python, Django, PostgreSQL, Celery, Redis
- **Frontend:** HTML, CSS, Bootstrap, JavaScript, AJAX
- **Cloud Storage:** Cloudinary, AWS
- **DevOps and Tools:** Git, GitHub, Razorpay, OAuth 2.0
- **Design and Planning:** Figma (UI/UX Design), dbdiagram.io (Database Modeling)

DEEPSCAN: A DEEPFAKE VIDEO DETECTION

A Deepfake Video Detection is a technologically advanced computer program meant to fight against the increase in deep fake video clips on digital media. Employing state of-the-art artificial intelligence (AI) and machine learning (ML) algorithms, DEEPSCAN provides robust methods of spotting edited visual content with great precision.

Key Features

- **Feature Extraction with ResNeXt CNN:**Utilizes ResNeXt, a powerful convolutional neural network (CNN), to extract frame-level features from videos.

- **Sequence Learning with LSTM (RNN):** Extracted features are processed using Long Short-Term Memory (LSTM), a type of Recurrent Neural Network (RNN).
- **Real-World Adaptation:** The model is trained on a diverse and balanced dataset by mixing various large-scale DeepFake datasets, including FaceForensics++,DeepFake Detection Challenge (DFDC) and Celeb-DF

Technologies Used

- **Deep Learning Frameworks:** TensorFlow, PyTorch
- **Neural Networks:** ResNeXt (CNN), LSTM (RNN)
- **Computer Vision:** OpenCV, Face Detection Models
- **Dataset Sources:** FaceForensics++, DFDC, Celeb-DF

TECHNICAL SKILLS

Programming Languages: Python, JavaScript, SQL,

Backend Development: Django, Razorpay Integration, OAuth 2.0, Celery, Redis

Frontend Development: HTML, CSS, JavaScript, Bootstrap, React, Figma

Databases: PostgreSQL, MySQL, MongoDB

Cloud Deployment: AWS, Cloudinary

Tools Others: Git, Postman, DSA (Data Structures and Algorithms)