Dhanesh Phulphagar

Fullstack Software Developer

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Relavant Experience

SDE-1 @ marchtee.com

September-2023 - present // Pune, India

During my tenure at MarchTee.com, an e-commerce t-shirt brand, I contributed to numerous high-profile projects as a Developer.

1. Integrated user role-based operations (authentication, login, creation, and activity log updates) in the Backstage V2 project.
2. Implemented full-text-search using vectors on postgresql fields making search operation less time consuming and efficient with the help of vectors.
3. Enhanced the Pickup Mail service by integrating various carrier APIs for return pickup notifications, this reduced 90% of return related queries.
4. Introduced weight-based shipping price adjustments and synchronised weight data from the Odoo server. Resulted in more accurate shipping charges for large orders. Implemented slab-based weight checkout for user-friendly shipping costs. Utilised Flask sessions for storing the slabs.
5. Developed a highly efficient backend for the new layout during the March Sale 23, resulting in a 20% reduction in response time compared to the previous backend.
6. Optimised critical functions for sale size layout mapping, resulting in 30% performance increase during peak sales. Added preview functionality for admin to preview sales before deployment.
7. Established an OTP login system for the order page, ensuring enhanced security by storing flask sessions in the browser.
8. Ventured into AI with OpenAI, utilising machine learning to tag Helpscout mails and draft replies, reducing support team efforts on common FAQs, optimising time. Successfully deployed two custom models after fine-tuning.
9. Developed an internal dashboard for checkout payment gateway performance. Used cronjobs to store success/failure counts in Redis, improving response times. Integrated Stripe, Cashfree, CCAvenue, and COD. Redis resolved Nginx timeout issues. Utilized Svelte and Django for faster gateway decisions.

Progammer Analyst - Servicenow Infra Developer @ Cognizant

February-2021 - June 2022 // India

Achieved ServiceNow Certified System Administrator and Application Developer certifications.

1. Developed an Organisational Vaccination Survey project using ServiceNow and REST Framework, integrated with the COWIN API.
2. Collaborated with prominent clients like Walmart, playing a key role in mainframe migration projects, showcasing expertise in legacy system transformation and modernization.
3. Highlighted by professional development, technical excellence in ServiceNow, API integrations, and successful collaborations with high-profile clients during my tenure at Cognizant.

Research Intern @ CDAC

January-2020 - April 2020 // Pune, India

At CDAC, I focused on exploring and implementing Text-to-Speech (TTS) models:

1. Researched NVIDIA and Mozilla's TTS models.
2. Reimplemented Mozilla's TTS for the Odia language, including data pre-processing.
3. Implemented DeepMind's WaveRNN model in PyTorch as a vocoder for TTS.

Skills

Programming Languages

Python, Javascript, HTML, CSS, C++, C

Libraries & frameworks

Jquery, ReactJS, NextJS, Flask, Django, Django Rest Framework, SvelteJS, SveleteKit

Tools and Platforms

Git, Github, Postgresql, MongoDB, Openai API, OpenAPI, Swagger

Core Subjects

Data Structures and Algorithms, Database Management System, Operating System, System Design

Education

Pune University

2017 - 2021 // Pune, India

Bachelor of Engineering, Information Technology

Nowrosjee Wadia College

2015 - 2017 // Pune, India

HSC - Science

Projects

Gemald Ecommerse

E-commerce platform for paintings with payment gateway, admin portal, and role-based access
Tech Stack - MongoDB, Express.JS, ReactJS, NodeJS

Fitbuddy

User-to-user content filtering recommendation system for fitness enthusiasts using Python. The system matches users based on 5-10 similarity metrics, including cosine similarity and haversine distance.
Tech Stack: Python, Jupyter Notebook, Python UI Widgets.

Covid-19 Tracker

Country Wise COVID-19 Tracker built using ReactJS and the "disease.sh" API
Tech Stack: ReactJS, Javascript, MaterialUI, Firebase