

# 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.

- > Integrated user role-based operations (authentication, login, creation, and activity log updates) in the Backstage V2 project. Also implement full-text-search on postgresql fields for search bar in V2. This makes search operation less time consuming and efficient with the help of vectors.
- > Enhanced the Pickup Mail service by integrating various carrier APIs for return pickup notifications using crontab calls providing the efficient customer transparency.
- > For the Dynamic Shipping project, introduced weight-based shipping price adjustments and oversaw weight data synchronisation from the Odoo server. Slabbing the weight-based checkout for human friendly shipping checkout. Used flask sessions for storing slabs.
- > Developed efficient backend for the new layout during the March Sale 23, optimising functions for mapping new sale size layouts to pre-orders and sold-out items. Also added preview functionality for reviewing the sale.
- > Established an OTP login system for the order page, ensuring enhanced security by storing flask sessions in the browser.
- > Ventured into AI with OpenAI, utilising machine learning techniques to tag Helpscout mails and draft replies to reduce the support team efforts on most common FAQ's and optimise their time. Successfully fine-tuned and deployed two models on the custom dataset.
- > Demonstrated versatility and a broad skill set as a developer, proficient in NextJS, FastAPI, SvelteJs, Svelte-kit, and Django REST framework, during tenure at MarchTee.com.

### Progammer Analyst - Servicenow Infra Developer @ Cognizant

February-2021 - June 2022 // India

Achieved ServiceNow Certified System Administrator and Application Developer certifications.

- > Developed an Organisational Vaccination Survey project using ServiceNow and REST Framework, integrated with the COWIN API.
- > Moreover, I had the opportunity to collaborate with prominent clients like Walmart. I played a key role in mainframe migration projects, reinforcing my skills in legacy system transformation and modernisation.
- > In summary, my experience at Cognizant was highlighted by professional development, technical excellence in ServiceNow, API integrations, and successful collaborations with high-profile clients.

### Research Intern @ CDAC

January-2020 - April 2020 // Pune, India

At CDAC, my work primarily focused on exploring and implementing Text-to-Speech (TTS) models.

- > Explored and researched various Text-to-Speech (TTS) models by NVIDIA and Mozilla.
- > Contributed to the reimplementaion of Mozilla's TTS for the Odia language, including data pre-processing.
- > 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, SvelteKit

### 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 Ecommerce

E-commerce platform for paintings with payment gateway, admin portal, and role-based access

Tech Stack - MongoDB, ExpressJS, 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