

YASH VAISHNAV

Backend-Developer

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PROFILE

Motivated Backend Developer with 10 months of experience in Python, Django, and Flask, proficient in MySQL and familiar with mongodb. Familiar with Docker and AWS, and skilled in Git for version control. Effective collaborator dedicated to delivering high-quality software solutions.

TECHRITZY PVT.LTD.

SEPT 2024- JAN 2025

Backend Developer Intern

- Implemented **Django Celery** for asynchronous task management using a worker system and task queues, significantly improving application responsiveness and scalability.
- Implemented **Apache Airflow** for workflow management of asynchronous tasks with **Django Celery** and **Local Queue** for task orchestration and monitoring tasks using Airflow UI.
- Implemented **OAuth** and **session-based authentication**, along with **group-based authorization**, enhancing security and access control in the application.
- Engineered high-performance, low-latency REST APIs with robust security using DRF.
- Implemented JWT authentication with features Single Sign On(SSO), Multi-Factor-Authentication(MFA) and Blacklist IP after 3 incorrect login attempts.
- Deployed a website on AWS with backend and database on different servers with web server nginx and app server gunicorn.
- Integrated Google Cloud Console APIs in REST API.
- Contributed to the software development lifecycle, including design, development, testing, deployment, and support, ensuring effective project execution.

PROJECTS

ParkEasy(Flask, MySql, Faker, HTML, CSS, JavaScript, Bootstrap)

- **Description** : Developed an application performing CRUD operations for a parking system. It uses Faker library to populate database. Implemented oauth authentication with google, session based authentication with role based authentication for application security and email notification using SMTP for sending payment receipts. Deployed project on AWS using Nginx and gunicorn servers ensuring consistent updates tracked by Git [SourceCode](#)

ParkEasy API (DRF, MySql)

- **Description** : Developed a CRUD operations REST API for the ParkEasy project. Implemented features - JWT authentication, Single Sign On(SSO), OAuth authentication with providers google and github, Blacklist user after 3 unsuccessful login attempts, Role based authorization using permissions, Remember Me and Forgot Password functionality, Refresh token after expiry to keep the user logged in if he is active, Single window login. [SourceCode](#)

SmartEats(OpenCV, CNN, TensorFlow, Keras, shordan, OpenCV)

- **Description** : Created an application which checks whether a food product is safe for diabetic person by scanning ingredients from real time camera. Trained a custom model with Tensorflow and Keras leveraging transformers for efficient processing and openCV for image recognition and saves the metadata in AWS S3 bucket. [SourceCode](#)

ACHIEVEMENTS & CERTIFICATION

- Participated in 3-days python workshop by Codemos Community Indore.
- Participated in a hackathon organised by John Hopkins University
- Participated in a 12 hour hackathon organised by Codemos Community Indore
- HTML, CSS, and Javascript for Web Developers Course by John Hopkins University. [certificate](#)

SKILLS

- **Programming languages**: Python, Bash, JavaScript.
- **Web Technologies**: Django, DRF, flask, Linux, HTML, CSS, Bootstrap.
- **Database**: MySQL, MongoDB.
- **Version Control**: Git, GitHub.
- **Developer Tools**: MySQL Server, Vim, Nano, Redis, Celery, Apache Airflow, Postman, Docker, AWS
- **Core Fundamentals**: Data Structure & Algorithm, Operating Systems, Computer Network, DBMS.

EDUCATION

VIT BHOPAL UNIVERSITY

Bachelor of Technology (Specialization in Cloud Computing and Automation) - CGPA : 7.85/10