

PAYAL KALE

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CAREER OBJECTIVE

Python Full-Stack Developer with hands-on experience building end-to-end web applications using Django, Flask, Django REST Framework, and React.js. Skilled in REST API development, authentication systems, database design, and scalable backend architecture. Experienced in containerized and cloud deployment workflows. Seeking an opportunity to contribute to high-quality, performance-driven software products.

TECHNICAL SKILLS

Programming Languages: Python, JavaScript, HTML, CSS

Backend Frameworks: Django, Flask, Django REST Framework (DRF)

Frontend Technologies: React.js, HTML5, CSS3, JavaScript

API Development: RESTful APIs, JSON APIs, API Integration, JWT Authentication

Databases: MySQL, SQLite, SQLAlchemy, Django ORM

Cloud & Deployment: Docker, Render, Gunicorn, Containerized Deployment

Developer Tools: Git, GitHub, VS Code, Postman

Core Concepts: Object-Oriented Programming, Data Structures, SDLC

PROJECTS

Recipe Finder Web Application — Full Stack

Tech Stack: Python, Flask, SQLAlchemy, SQLite, REST API, HTML, CSS, JavaScript

- Developed a full-stack recipe search application using Flask and SQLAlchemy with relational database design.
 - Implemented user authentication including registration, login, logout, and session management using Flask-Login.
 - Designed normalized database models with many-to-many relationships for user favorite recipes.
 - Integrated external MealDB REST API for recipe search, ingredient filtering, and cuisine-based results.
 - Built dynamic search and filtering features based on ingredients, meal names, and country cuisine.
 - Developed favorite recipe management with add/remove operations stored per user.
 - Created responsive UI pages using Flask templates, HTML, CSS, and JavaScript.
 - Implemented backend validation and structured error handling for API failures and invalid inputs.
 - Structured modular backend routing for profile, favorites, nutrition, and search modules.
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Task Management Web Application — Full Stack

Tech Stack: React.js, Django, Django REST Framework, Python, HTML, CSS

- Built a full-stack task management system using React frontend and Django REST Framework backend.
- Designed and implemented RESTful APIs for task creation, update, deletion, and retrieval.
- Developed reusable React components for task tracking and status workflows.
- Implemented task filtering and status-based organization features.
- Enabled frontend-backend communication using API integration and CORS configuration.
- Used Django ORM for structured database operations and efficient data handling.
- Prepared backend for production deployment using Gunicorn server.
- Applied modular code structure for maintainability and scalability.

EDUCATION

Master of Science (M.Sc.) – Computer Science

Gopikabai Sitaram Gawande College, Umarkhed

Sep 2023 – Aug 2025

CGPA: 8.2

Bachelor of Science (B.Sc.) – Computer Science

Gopikabai Sitaram Gawande College, Umarkhed

Jun 2020 – May 2023

CGPA: 7.9

CERTIFICATIONS

- Excellence in Python — Hefshine Softwares
- Excellence in Database SQL — Hefshine Softwares
- Career Essentials in Software Development — Microsoft & LinkedIn Learning

CORE STRENGTHS

Python full-stack development • REST API design • Database schema design • Authentication systems • Scalable backend structure • Docker-based deployment • Debugging & problem solving