

UMESH NAGAR

Full Stack Software Developer

✉ Kota(Raj.) | ☎ 9664411566 | 📩 umeshnagar0415@gmail.com

Profiles

 Umesh-Nagar04

 umesh-nagar04

Summary

Motivated and detail-oriented Python & Django developer with hands-on experience in building web applications. Currently pursuing Bachelor of Computer Applications (BCA) and actively working on real-world projects involving authentication, database management, and CRUD operations. Passionate about learning new technologies and building scalable, user-friendly applications.

Education

VGT 2023
1-CH-17, Dadabari Rd, opp. Gurudwara, near V-Mart, Dadabari, Kota(Raj.)
🔗 <https://vgtindia.org/>

Full Stack development

University Of Kota 2024
Kota
BCA Pursuing

Skills

Programming Languages

C – Strong understanding of fundamentals, loops, functions, pointers, and memory concepts
C++ – Object-Oriented Programming (OOP), STL, and problem-solving
Python – Core Python, OOP concepts, file handling, and backend development

Web Technologies (Frontend)

HTML – Semantic markup, forms, tables, and page structure
CSS – Responsive design, layouts, Flexbox, and basic animations

Backend Frameworks & APIs

Django – MVC architecture, authentication, CRUD operations, ORM, and session management
Flask – Lightweight web applications, routing, templates, and REST APIs
FastAPI – High-performance API development, asynchronous support, and automatic API documentation

Data Structures & Algorithms

DSA – Arrays, strings, linked lists, stacks, queues, recursion, and basic searching & sorting algorithms

Python Libraries (Data Analysis & Visualization)

NumPy – Numerical computing and array operations
Pandas – Data manipulation, analysis, and dataframes
Matplotlib – Data visualization and plotting

Python, Django, Flask, FastAPI, REST APIs, Backend Development, C, C++, OOP, DSA, HTML, CSS, MySQL, SQLite, Authentication, Authorization, CRUD Operations, NumPy, Pandas, Matplotlib

Projects

College Canteen Management System

A campus-based online food ordering and delivery platform built using Django.

- Developed a **College Canteen Management System** using **Django** to enable online food ordering within a college campus.
- Implemented **three user roles: Admin, Delivery Boy, and Student** with role-based access control.
- Enabled **online food ordering at night** with **hostel room delivery** and configurable extra delivery charges.
- Designed a **wallet-based top-up payment system**, where students recharge balance through the canteen admin.

Projects

- Built a **secure order payment workflow** using wallet balance with support for **refunds and transaction history**.
- Integrated a **user-friendly cart system** for smooth food selection and order placement.
- Added **live order tracking** for students and delivery staff.
- Created a **real-time admin dashboard** to manage users, orders, payments, and delivery operations.
- Restricted system access to **college campus users only** for controlled and secure usage.

Django, College Canteen Management System, Campus Food Ordering, Hostel Food Delivery, Wallet-Based Payment Workflow, Manual Top-Up Approval, Balance Management, Order Lifecycle Management, Live Order Status Tracking, Cart & Checkout System, Delivery Charge Calculation, Payment Ledger, Transaction History, Refund Processing, Admin Control Panel, Campus-Restricted Access, Relational Database Design, Order & Payment Reconciliation

Library Management System

A Django-based system for managing library books, users, and book issue workflows.

- Developed a **Library Management System** using **Django** to help library owners manage books and users efficiently.
- Implemented **three user roles: Admin, Writer, and User**, with role-based permissions.
- Enabled **Admin** to manage the complete library system, including **adding, updating, and issuing books to users**.
- Designed a **book issue and return workflow** for tracking book availability and user borrowing.
- Allowed **Users** to **search all available books**, view book details, and check **real-time availability status**.
- Implemented a **Writer request system**, allowing writers to submit requests to add their books with complete details.
- Added **admin approval workflow** for writer-submitted book requests.
- Focused on **secure authentication, structured database design, and clean backend logic**.
- Built the system with **scalable and maintainable Django architecture**.

Django, Library Management System, Book Cataloging, Book Issue & Return Workflow, Writer Request Handling, Library Admin Panel, Search & Filter System, Data Modeling, Relational Database Design, Query Optimization, Record Tracking, Inventory Management

Student Fees Management System

Web-based application for managing student fees with role-based access control using Flask.

- Developed a Flask-based Student Panel to manage student fees efficiently
- Implemented role-based login system with three user roles: Admin, Accountant, and Student
- Admin can manage users, students, and overall fee structure
- Accountant can update paid fees and track due balances
- Students can view their paid and pending (due) fees in real time
- Maintained accurate fee records with paid and due status tracking
- Designed a clean and user-friendly interface for easy navigation

Flask, Python, Student Fees Management System, Role-Based Login System, Admin Panel, Accountant Panel, Student Panel, Fee Structure Management, Paid & Due Fee Tracking, Real-Time Fee Status, User & Student Management, Backend Validation, Secure Data Handling, Database Management, CRUD Operations, User-Friendly Interface

Doctor Finder

Web-based healthcare application to manage doctor availability and hospital-wise doctor information with role-based access using Flask.

Developed a Flask-based Doctor Finder system with real-time availability tracking

- Implemented three user roles: Admin, Hospital, and User with role-based authentication
- Users can view doctors based on availability status: Available, Not Available, and Emergency Only
- Displayed detailed doctor information including specialization, timing, workplace, and contact number
- Hospital users can manage doctor schedules and update availability status
- Admin can manage hospitals, doctors, and overall system data
- Enabled hospital-wise doctor listing showing currently available doctors
- Provided total doctor count per hospital for better resource visibility

Doctor Finder System, Role-Based Authentication, Hospital Panel, Real-Time Doctor Availability Tracking, Doctor Availability Status (Available, Not Available, Emergency Only), Doctor Profile Management, Hospital-Wise Doctor Listing, Doctor Schedule Management, Hospital Management System, Doctor Count per Hospital, Database Design, Backend Development

Experience

VGT

Intern

<https://vgtindia.org/>

2024-2025

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