SRIDHAR M

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ACADEMIC QUALIFICATION

Bachelor of Technology in Petrochemical Technology, University College of Engineering (BIT Campus), Tiruchirappalli, Anna University; CGPA: 7.61/10; Apr'22

REALTIME PROJECTS

TITLE: SEVEN STARS STATIONERY ECOMERCE SITE
TOOLS: NEXT.JS, PYTHON DJANGO BACKEND AND MYSQL
OS: LINUX OS
TEAM SIZE:3
SUMMARY:

Developed an ecommerce platform for Seven Stars Stationery, a store based in Doha, Qatar, specializing in stationery, office supplies, and tech gadgets for students, professionals, and businesses. The platform extends the store's reach beyond physical limitations, enabling customers to browse and purchase 24/7, significantly improving visibility, convenience, and revenue potential.

Key Features:

- Product Management: Admins can add products with images, descriptions, categories, and pricing through a user-friendly Django Admin panel.
- Cart & Checkout: Users can add products to their cart, modify quantities, and proceed to checkout with options for cash on delivery or online payment.
- Invoice & Confirmation: Upon order placement, the system generates a downloadable invoice and sends confirmation emails to both user and admin with order details**.**
- API Integration: The frontend communicates with Django backend via secure REST APIs for handling products, cart logic, and order workflows
- Responsive UI: Built with Next.js to deliver fast-loading, mobile-responsive product pages optimized for performance and SEO.
- Sitemap & Indexing: Automatically generated sitemap and configured robots.txt ensure efficient crawling and indexing of the ecommerce pages.
- Linux-based VPS Deployment: The entire project is deployed on a Contabo VPS running Linux OS, ensuring stable performance and full control over the server environment

DOMAIN: http://www.sevenstars.qa

TITLE: INDIGUARD SECURITY SERVICE COMPANY PAGE
TOOLS: REACT.JS, PYTHON DJANGO BACKEND AND MYSQL
OS: WINDOWS OS
TEAM SIZE:3
SUMMARY:

Engineered a scalable web solution for Indiguard Security, a UK-based provider of manned guarding, CCTV monitoring, and keyholding services. Built using React.js and Django, the platform features dynamic service modules, secure contact workflows, and SEO-optimized content.

Key Features:

- Tech Stack: Built using React.js for the frontend and Django for the backend, enabling a modular, scalable service-driven architecture.
- Service Modules: Security services (e.g. CCTV monitoring, mobile patrols, keyholding) structured as Django models and rendered via reusable React components.
- Routing & Navigation: React Router handles frontend navigation; Django manages API endpoints, admin operations, and form submissions.
- Admin Dashboard: Customized Django Admin interface for managing service listings, inquiries, and sector-specific solutions.
- Responsive UI: Mobile-first frontend styled with Tailwind CSS (or equivalent), ensuring smooth UX across devices.
- Contact & Quote System: Secure contact forms with backend validation and email notifications via Django's mail module.
    - **Deployment**:
        Frontend deployed on Vercel, leveraging serverless architecture, edge caching, and React.js optimizations
        Backend deployed on Render, using their Django-compatible runtime environment, persistent storage, and automatic build pipelines.

DOMAIN: http://www.indiguardsecurity.co.uk

ACADEMIC PROJECTS
TITLE: PEOPLE SAFETY AND CRIME REPORTING SYSTEM
TOOLS: HTML5, CSS3, JAVASCRIPT, PYTHON & DJANGO AND MYSQL
TEAMSIZE: 4
 SUMMARY:
        People Safety and Crime Reporting is a web application designed to enhance public safety by providing a platform for users to report crimes, receive alerts, and access important security features. The system integrates real-time crime reporting, communication, and emergency assistance tools to ensure a safer environment for communities.
Key Features:
- Crime Reporting: Users can report crimes by selecting their location on an interactive map, with options for both auto-detection and manual selection.
- Crime Reports & Alerts: Users can view reported crimes in their area and receive notifications about nearby incidents.
- Live Chat & Notifications: A WebSocket-based chat system enables real-time communication between users and authorities, along with a notification system for crime-related and general alerts.
- SOS Feature: Users can send an emergency alert to their saved contacts in case of danger.
- Danger Zones: Admins can define high-crime areas on the map, categorized into different risk levels, helping users avoid unsafe locations.
- Safe Places & Nearby Police: The app provides information about nearby police stations and designated safe places for users in distress.
- Interactive Map Integration: A map API is integrated to display crime reports, danger zones, and essential safety locations.

TITLE: SMART CAFETERIA MANAGEMENT SYSTEM
TOOLS:HTML, CSS, BOOTSRAP, JAVASCRIPT, PYTHON&FLASK, SQLITE
SUMMARY:

Developed a full-stack web application using Flask to streamline cafeteria operations for both administrators and users.

Key Features:

- User Authentication: Secure login system for both users and admin.
- Menu Management: Admin can add, update, or remove food items with details like name, price, and nutrition.
- Order Processing: Users can place orders and receive real-time feedback with automated email notifications.
- Nutritional Tracking: Integrated nutrition awareness by tracking calories and food types.
- Responsive UI: Designed using Bootstrap with user-friendly navigation and functionality.

INTERNSHIPS

PRODUCT QUALITY TESTING AND QUALITY CONTROL LABORATORY CIPET - MADURAI (July'22-Jan23')

To measure and analysis various petrochemical products using high standards, technics and methods. I had learned to operate particularly Differential Scanning Calorimeter, Universal testing machine, thermos Gravimetric Analysis. I had knowledge in preparing of samples and also in measuring of products dimensions.

CERTIFICATIONS

- "Full Stack Development on Python program IBM Certification by SLA Institute, Chennai
- "Skill Training Certificate issued by Tamil Nadu state Government (Jan'23)
- "Aspen Plus Software issued by NPTEL programme by IIT
- "Codeathon Event Project IBM Certification by SLA Institute, Chennai

WORKSHOPS

- "CATALYTICA-19, One day national level undergraduate conference and workshop

PRESENTATIONS

- Presentation on Fire and Safety in Petrochemical Industries at University College of Engineering, Tiruchirappalli, (S0ep'19) and won 2nd Prize

- Presentation on uses of Design software's in Petrochemical Industries at University College of Engineering, Tiruchirappalli, (Jun'22)

TECHNICAL SKILLS

- **Languages:** HTML, JAVA SCRIPT, CSS, PYTHON, REACT.JS, NEXT.JS
- **OS:** WINDOWS, LINUX-UBUNTU
- **Database:** MySQL
- **Framework**: Django

INDUSTRIAL VISIT

- Anthem Bioscience private limited, Bangalore (2019)

EXTRACURRICULAR ACTIVITIES

- Event Coordinator for the Conference- (2019), University College of Engineering, Tiruchirappalli.

- Member of Nation Service Scheme (NSS)-(2018-2022) University College of Engineering, Tiruchirappalli.

- Sponsorship Acquisition Committee Lead for Conference (2022), University College of Engineering, Tiruchirappalli.

ACCOUNTS:
    GITHUB: https://github.com/Sridhar08-glitch?tab=repositories
    LINKEDIN: https://www.linkedin.com/in/sridhar-mahalingam-6b8357245/