

RAMAKANT

Personal Details

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SKILLS & Tools

- Python, Unpoly, Javascript, Java, SQL
- Django, Flask, SpringBoot
- Git, Github, Gitlab, Fork, SmartGit
- Sentry, Pycharm, Sublime, VsCode
- Mysql, Postgres
- Web Scraping, Testing

Professional Experience

- Aquevix Solutions pvt Ltd. (1 year)
April 2023 - March 2024

Projects:

Science Olympiad Foundation - SOF Helpdesk
Language: Python, Javascript, Unpoly, html and css
Framework: Django
DB: Postgres

Project Description: Developed a help desk solution to manage emails and distribute tickets using natural language processing with scikit-learn (sklearn) in Python. Emails were automatically categorised based on their content and assigned to the appropriate personnel, with notifications sent when a ticket was raised.

- Testing:** Conducted comprehensive testing of the entire project after major updates or changes, ensuring system stability and reliability.
- Ticket Management:** Added a ticket compose module for creating tickets on behalf of users and included a "My Tasks" functionality to view assigned tasks.
- System Statistics:** Created system stats for reporting metrics such as the number of closed tickets, open tickets, snoozed tickets, duplicate tickets, unread tickets, and assigned tickets.
- Webform Module:** Created a webform module for generating new ticket queries, allowing users to select departments and related queries from dropdowns.
- Test Case Development:** Developed various types of test cases, including parameterized tests and BDD-based test cases for each view, as well as tests for model method functionalities.
- Package Updates:** Regularly updated Django and JavaScript packages every two weeks to maintain security and functionality.
- User Management:** Defined a manager user model for both admin and non-admin users, along with permissions mixins for admin and superuser roles.
- Dynamic Preferences:** Implemented dynamic preferences for handling IPs, webform styles, ticket closing after specific days, and archiving older tickets.
- Monitoring:** Monitored the project using Sentry SDK to track and resolve issues.
- User Statistics:** Added user-specific stats to track metrics like closed, open, spam, snoozed, and confidential tickets for different users.

INTERESTS

- Chole Bathure Franchise
- Drones Startup
- Social Service.

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11. Package Integration: Integrated various packages such as Django 4.2, allauth, tables2, django-filter, phonenumbers, mypy, pytest, django-recaptcha3, django-lifecycle, celery, django-compressor, dateparser, django-dynamic-preferences, and django-hijack.

News Junkie - A Social Media App

Language: Python, Javascript, Unpoly, html and css

Framework: Django

DB: Postgres

Project Description: Worked in social media app that allows users to add dispatches, interviews, and secret shows, view their followers and following, and gift secret show subscriptions

1. **Followers and Following Lists:** Implemented the functionality to display the lists of followers and following for the logged-in user.
2. **Content Creation:** Added the ability for users to create interviews and dispatches including blogs, videos, and audio dispatches.
3. **Test Case Development:** Wrote comprehensive test cases for every view to ensure functionality and reliability.
4. **YouTube Integration:** Developed a feature to display a list of featured YouTube videos in the home page carousel by scraping data from a YouTube channel.
5. **UI Enhancements:** Assisted with user interface changes to improve the overall user experience.
6. **Audio Download:** Added functionality to download dispatch audio files for offline access.
7. **Meta Tags Management:** Utilised the django-meta package to handle meta tags dynamically, creating model meta mixins and view meta mixins for efficient management.
8. **Secret Show Subscriptions:** Enabled the gifting of secret show subscriptions between users.

KuberWMS - Warehouse Management System

Language: Python, Javascript, Unpoly, html and css

Framework: Django

DB: Postgres

Project Description: KuberWMS is a comprehensive warehouse management system designed to streamline the management of store operations. The system includes functionalities for processing gate timings, scheduling pallets, and managing product quality. Key features include:

1. **Gate Timing Management:** Tracks and processes gate timings for receiving items into the warehouse.
2. **Pallet Scheduling:** Manages and schedules pallets to optimise warehouse space and efficiency.
3. **Product Quality Check:** Added a quality option in the menu to recheck item weights and ensure product standards where we can scan items manually and automatically by enabling and disabling dynamic preference.
4. **Barcode and QR Code Generation:** Implements functionality for generating barcodes and QR codes for products to facilitate tracking and inventory management.
5. **Django Upgrade:** Successfully upgraded the project from Django 3.2 to 4.2, enhancing performance and security.
6. **Package Updates:** Regularly updated Django and JavaScript packages every two weeks to maintain security and functionality.

And some other projects: Prodman, Ecommerce app(integrating django-oscar, wagtail)

- **Corporate Infotech Pvt Ltd - Software Engineer (11 months)**

May 2022 – March 2023

Projects:

Inventory Management system

This project is built for CMMI certification during my training period.

Language: Python, Java, Javascript, html & css.

Framework: Django

Database: MySQL

Developed an inventory management system to efficiently handle purchase and store requests. Key features and contributions include:

1. **Purchase Request Processing:** Implemented functionality to process and manage purchase requests, including order creation and tracking.
2. **Store Request Management:** Developed features for managing store requests, including item allocation and inventory adjustments.
3. **Inventory Tracking:** Enabled real-time tracking of inventory levels, ensuring accurate and up-to-date information on stock availability.
4. **User Management:** Designed user roles and permissions to control access to different parts of the system based on user responsibilities.

5. **Reporting:** Added reporting capabilities to generate detailed reports on inventory status, purchase requests, and store requests.

- **Knowledge Excel - Technical Analyst(11-Months)**

January 2020 – December 2020

Role: Survey Programmer

Language: Javascript and python

Tool: Lighthouse and cmix.

Description: At Knowledge Excel, a market research company, I specialised in programming and validating survey forms to ensure accurate and reliable data collection. Key responsibilities and achievements include:

1. **Survey Form Programming:** Developed standard survey forms, each taking approximately 20-30 minutes for users to complete, using CMIX and Lighthouse software.
2. **Questionnaire Understanding:** Analysed and understood detailed questionnaires to accurately translate them into functional survey forms.
3. **Validation Implementation:** Implemented validation rules using javascript and python for each question response to ensure data quality and integrity. To enhance the reliability of survey data by preventing fake users and ensuring responses were genuine and valid.
4. **User Categorization:** Designed systems to categorise users and filter out fake surveys and invalid outputs.
5. **Data Cleaning:** Cleaning of data and testing.
6. **Reporting:** Generated reports on survey performance and data quality to provide insights and recommendations.
7. **Collaboration:** Worked closely with other teams to ensure survey forms met client requirements and research objectives.

PROJECTS/INTERNSHIPS

Projects

- **Coding Elements(3 Months)**-Created Web chat application and deploy on the server
- **Inwain Technologies(4 Months-Stipend based Internship)** – Projects based on Django, Python, JavaScript, html, css: Created more than 10+ projects in Django. Created Company Brief Website(For our Software developing company),Tax-invoice app, Team Documentation App

TECHNICAL TRAININGS.

- Attended 10 weeks training in Morling global pvt. Ltd. in Python and Machine Learning (June 2018 to August 2018).
- Software Developer Paid Internship with Inwain Technologies(Join Oct 2021 and still in process with this position)

EDUCATION

Examination	Year	School/University
B.Tech (CSE)	2019	Manav Rachna International Institute of Research & Studies
DIPLOMA(Civil)	2016	P.D.M Polytechnic college
Class X	2010	Haryana open school