Nithunraj N M

Software Developer - Backend

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Technical Skills

Languages: Python, SQL, HTML5, CSS, JavaScript, Go

Frameworks & Technologies:Django, REST API, RabbitMQ, Jinja, ETL, Web Scraping, CI/CD pipeline

Tools & Databases: Pandas, NumPy, Git, Jira, MongoDB

Work Experience

Aparajitha Software Services   Nov 2025 – Present
Specialist Engineering - Software   *Madurai, TN*

- Managed payroll APIs using **REST**, integrating attendance data with taxation, HR reports, claims, and loans, including CSV-based data uploads.
- Built and maintained **PDF/Excel** export functionalities, optimized dataframe processing for large datasets.
- Collaborated in an **Agile environment** using **Jira** and **Git**, ensuring timely delivery and clear sprint planning.

Finsurge   Aug 2022 – Nov 2025
Senior Software Developer   *Nagercoil, TN*

- Developed a scorecard model with Django **REST API** to evaluate customer loan eligibility in bank loan application.
- Redesigned and enhanced application to handle multiple conditions and automate CSV data entry, reducing manual input, time, and resources.
- Resolved threading and message-loss issues in **RabbitMQ** and built a centralized logging API, enabling faster debugging.
- Improved **API performance** by using caching to eliminate database calls, resulting in faster responses and a **60%** reduction in memory usage
- Maintained **ETL** application for automated Murex data extraction, transformation, and loading.
- Implemented data extraction from IDs using **YOLOv5** pretrained model and webcam-based face detection.

Sutherland Global Services   Sep 2021 – Apr 2022
Associate CS Internet   *Chennai, TN*

- Assisted Amazon.ca customers via chat with orders, refunds, and account inquiries.
- Resolved escalated issues for Amazon.ca customers, achieving a 98% satisfaction rating.
- Ensured fast, accurate resolutions for Amazon.ca, enhancing overall customer experience.

Projects

Multi-vendor Restaurant Marketplace | *Source Code*   **Django | HTML/CSS | PostgreSQL**

- Marketplace with location-based search using **LocationIQ**, dynamic vendor/customer pages, nearby restaurant discovery, **PostgreSQL**-powered data management, and seamless **AJAX**-based cart functionality.
- Designed a scalable front-end architecture using **Django Template Inheritance** and **Jinja**, and implemented multiple complex business workflows backed by PostgreSQL to deliver a smooth, optimized user experience.

Student Management System | *Source Code*   **Django | HTML/CSS | SQL**

- Managed student marks with smart handling of duplicate entries by automatically detecting and updating existing records to ensure clean and accurate data. Used **Django**, **JavaScript**, and **Bootstrap**, includes dynamic log screens

Education

Master of Computer Applications   Apr 2021 - Aug 2024

- Relevant Coursework: OOP, Databases, Algorithms, Machine Learning, Data Mining — **GPA: 6.9**

Bachelor of Science — Physics   May 2016 - Apr 2019

- Coursework: Specialization in Core Physics and Mathematics along with C practicals — **GPA: 7.3**

Certifications & Achievements

Certifications : Python and Machine Learning from Perfect Plan B, including a hands-on project on Cancer Detection.

Achievements : As an SDE at Finsurge, successfully delivered two loan products to production and earned onsite opportunities in Mumbai and the Philippines.