

Nithunraj N M

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Skills

Languages: Python, JavaScript, SQL

Technologies & Tools: Django, RestAPI, Pandas, Numpy, Webscraping, ETL, MongoDB, HTML, CSS, RabbitMQ, Jinja

Work Experience

Finsurge, Kanyakumari

Aug 2022 - Present

Senior Software Developer

- Built dynamic, automated web interfaces for banking application with conditional logic and efficient user input handling, improving workflow and enabling seamless content updates.
- Developed RESTful APIs to support bulk CSV data uploads for financial conditions, eliminating manual data entry and accelerating ingestion pipelines. increase performance.
- Resolved concurrency and memory issues in Django-based services, including thread locking and high-load message processing in RabbitMQ, achieving over 60% memory reduction and improved system reliability
- Developed a confidential, user-restricted scorecard model using RestAPI that was adopted across multiple banking applications due to its feasibility, flexibility, and robust functionality.
- Successfully deployed Credit Loan and Personal Loan applications to the production environment. Promptly resolved critical issues, enabling smooth go-lives and facilitating the adoption of the same applications by multiple partner banks — contributing to a 30% increase in revenue.
- Maintained DataVault ETL application for automated Murex data extraction, transformation, and loading into the database. Also worked with YOLOv5 to extract data from identification cards for eKYC processing.

Sutherland, Chennai

Sept 2021 - Apr 2022

Associate CS Internet

- 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.

Education

Annamalai University

Apr 2021 - Aug 2024

Master of Computer Applications

Relevant Coursework: Object Oriented Programming, Databases, Data Structures and Algorithms, Operating Systems, Computer Networks, Machine Learning, Data Mining, Advance Data Structures and Algorithms, Information Retrieval, Image Processing

S T Hindu College, Nagercoil

May 2016 - Apr 2019

BSC in Physics

Coursework: Specialization in Core Physics and Mathematics with C++ practicals. Developed small Python projects to practice coding and enhance programming skills.

Project Work

- **Multi-vendor Restaurant Marketplace:** Developed a fully-featured Multi-Vendor Restaurant Marketplace with location-based search using LocationIQ, dynamic vendor and customer pages, nearby restaurant discovery, and seamless cart functionality via AJAX. Implemented scalable front-end architecture using Django Template Inheritance and Jinja, along with multiple complex business features to enhance user experience.
- **Student Management System:** Implemented a Student Management System for a Teacher's Portal to manage student marks, including dynamic mark updates for duplicate entries. Integrated secure login with session management and hashed passwords, designed dynamic log screens, and built responsive interfaces using Django, JavaScript, and Bootstrap.
- **Blog Application:** Created a Blog Application to post blogs/vlogs, integrated dynamic web scraping with BeautifulSoup to fetch and display real-time news updates on the dashboard.

Certificates

- Python and Machine Learning Certification from Perfect Plan B, including a hands-on project on Cancer Detection.
- Certified by GUVI for developing a face recognition application using Python as part of the AI-For-India event.