

Nithinn Manickam

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EXPERIENCE

Software Development Intern

January 2024 – March 2025

Saptang Labs

Chennai, TamilNadu

- Developed and deployed an automated takedown process for social media platforms and domain registrars, cutting manual intervention by 40% and enhancing enforcement efficiency
- Developed a monitoring system that aggregated ads from Google and Meta platforms, providing actionable insights for brand monitoring and market analysis.
- Revamped a file download framework for Tor Networks, accelerating download speed by 50% and boosting overall data retrieval efficiency.
- Designed and implemented a large-scale system for tracking gambling-related UPI transactions, transforming raw data into actionable insights. Successfully built a product that collected over 100,000 data points within six months.
- Developed over 5 REST API backends using FastAPI, Express, and Flask integrated with MongoDB. Deployed Applications with AWS and Docker, enhancing Efficiency by 20%
- Optimized a data scraping pipeline, reducing scraping time by 20% and increasing data retrieval efficiency by 40%.
- Engineered scalable data ingestion pipelines utilizing Facebook and Twitter APIs and web scraping via message brokers, elevating data throughput by 50%.
- Engineered a OSINT module to identify user account registrations across 50+ platforms, dynamically profiling social presence and categorizing accounts by value for strategic intelligence insights.

Student Intern

June 2023 – August 2023

Modelon Inc.

Trichy, TamilNadu

- Designed an automated testing framework that decreased manual intervention by 70%, ensuring system modeling library reliability.
- Ideated a visualization website for heat exchanger modeling, reducing modeling time and eliminating complex Calculations by 60%.

PROJECTS

Weather and Energy Predictor | *Python, Flask, React, Docker*

- Envisioned an application in Python to retrieve weather data and forecast energy output from renewable sources, improving prediction accuracy by 40% through advanced simulations.
- Executed a command-line interface (CLI) for user interaction, enhancing accessibility by 30%.
- Implemented data visualization techniques to facilitate interpretation and analysis, reducing analysis time by 30%.

EDUCATION

Sri Eshwar College Of Engineering

Coimbatore, Tamil Nadu

Bachelor of Engineering in Electronics and Communications (CGPA 7.4)

November 2021 – May 2025

SKILLS

Languages: Python, JavaScript, Golang, SQL

Frameworks: React, Node.js, Flask, Express.js, Echo, FastAPI

Developer Tools: Git, Docker, AWS, VS Code

Libraries: Apache Kafka, Celery, Redis, RabbitMQ, Selenium, Playwright, Scrapy

ACHIEVEMENTS

Best Team Leader

KGISL Institute Of Technology

Best Paper

Bannari Amman Institute Of Technology

Best Engineer

Bannari Amman Institute Of Technology

Best Project Design

Sri Eshwar College Of Engineering

Best Speaker

Sri Eshwar College Of Engineering