

IYAPPAN M

DEVELOPER / ML, PYTHON, RUST, VUE, DJANGO

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About

Experienced in software development, with a deep understanding of programming. Care more about structure, modularity, code reusability, threading, time & space complexity, and have a good understanding of threading & memory safety. Ability to work with future development technologies. Good communication with public speaking.

Expertise in Rust, Actix Web (4), Python, Linux, Django, Shell Scripting, as well as working in frontend development with responsive design using Tailwind CSS, JS, and Vue.js. Passion to learn the Rust programming language. I would like to write simple, fast, concurrent code. Know a bit about Docker and AWS. I know a bit about deploying apps in production using Nginx and Docker. Developed a few apps using WebSocket and Redis as a message queue.

Experience

DEVELOPER - CHADURA TECH PRIVATE LIMITED

2 Years of Experience - 2023 - 2025

- Experienced in Programming Python, Rust, Linux, API's Development & Integrations.
- Deployment with AWS, Linux and Docker containers.
- Machine Learning Integrations & SaaS Development.
- Frontend Integrations with vue & Django API'S.

INTERN - CHADURA TECH PRIVATE LIMITED

3 MONTHS - 2021

- Development in Programming Python, Linux.
- Web scraping in Python & Shell scripting.
- HTML, CSS, JS Development.

Courses

Machine Learning with Python

3 MONTHS - 2023 - SmartInternz

- Data collection & split data using Pandas, numpy for array Integrations.
- Train model using tensorflow and ml algorithms & Build machine model for university admission predication
- Web Development with Flask for API & Model Integrations.

Expertise

- **Technologies:** Web Development, Blockchain, Machine Learning, NLP and Product development (Saas).
- **Programming:** Python, JavaScript, Solidity and Rust, C, C++, Java, Typescript and Shell Script.
- **Frameworks:** Django, Flask, Actix Web, Vue Js and Node JS
- **Deployment:** AWS, Docker and Nginx.
- **Libraries:** PyTorch, Numpy, Keras, Tensorflow, Scikit-Learn, Huggingface, LangChain.
- **Others:** Tauri, Postgres, Mysql, Mongo DB, Web Socket, JWT, Redis, Kafka, Webhook, Payment Gateway Stripe.

Research & Projects

Audio Noise Cancellation

Audio Noise Cancellation removes background noise from sound. It makes voices or music clearer by blocking unwanted sounds.

Group Chat

Group chat developed with websocket message each other like slack and discord.

University Admission Predication

University Admission Prediction project uses machine learning algorithms to predict the likelihood of a student's admission based on their academic performance, test scores.

Image Upscaler

Image Upscaler project uses AI to increase the resolution of images, making them clearer and sharper. It helps improve the quality of low-resolution images for better viewing or printing.

LMS

Recommends courses, checks for plagiarism, allows easy upload of large videos, and corrects grammar. It helps improve learning, maintain integrity, manage media, and enhance writing.

HRMS & Invoice Management System.

HRMS & Invoice System with Blockchain uses blockchain to securely manage employee data and payroll, and to verify invoices. This makes the system more transparent, secure, and efficient.

Chat Analysis

Chat analysis for sentiment looks at messages to figure out if they are positive, negative, or neutral. It helps understand how people feel in conversations, like whether they're happy, upset, or neutral.