

Shyamalan Kannan

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SKILLS

Languages/Tools: JavaScript, TypeScript, Python, Rust, SQL, Docker, Docker Compose, Git, GitHub

Frameworks/Libraries: React, Next.js, Tauri, Django, Django REST Framework, FastAPI, Flask, Axum, Celery, Vite, PyTorch, LangChain

Technologies: REST APIs, PostgreSQL, Redis, SQLite, AWS (S3, Glue, Athena, Redshift), CI/CD, OAuth 2.1/PKCE, JWT, SSL/TLS, OpenAI API, Object-Oriented Design (OOD), MVC

EXPERIENCE

Seattle University Facilities

Apr 2025 – Mar 2026

Technical Operations Assistant

Seattle, Washington

- Diagnosed and resolved recurring infrastructure and systems failures across facilities serving 500+ users, applying structured root-cause analysis and proactive inspection workflows to reduce operational downtime by 20%
- Standardized troubleshooting processes and authored runbooks to improve incident response, strengthen knowledge transfer, and increase day-to-day operational reliability.

Finkey Consultancy Ltd

Jul 2023 – Oct 2023

Quantitative Research Analyst Intern

Bengaluru, India

- Built an automated market-data pipeline using Python, FastAPI, AWS Glue, and SQL to ingest and process 50,000+ financial records; improved retrieval efficiency by 45% and supported risk analysis protecting \$30K in capital exposure.
- Developed PyTorch-based anomaly and volatility detection models for real-time market risk classification, integrating OpenAI API to generate natural-language risk summaries and cutting manual analysis time by 40%.
- Delivered a Next.js dashboard surfacing ARIMA-based forecasts and model outputs, enabling analysts to explore predictions and portfolio risk signals through an interactive, data-driven interface.

PROJECTS

Ghosted | Django, DRF, React, TypeScript, Vite, PostgreSQL, Redis, Celery, Docker

Mar 2026 – Apr 2026

- Built Ghosted, a visa-aware job intelligence platform to unify 119K+ H-1B records, 23K+ company profiles, 9K+ salary entries, and 4.4K+ synced job postings into a single search and decision-making workflow.
- Engineered automated ATS ingestion and a privacy-first resume matching pipeline with async background jobs, deduplication, cached pagination, TF-IDF-based role matching, and tailored PDF generation- prepared the frontend for Vercel deployment with environment-based API configuration.

SoundunCloud | Rust, Tauri, React, TypeScript, Axum, OAuth 2.1/PKCE

Mar 2026

- Built SoundunCloud, a Windows desktop music app embedding the real SoundCloud experience inside a custom frameless shell with popup-aware sign-in, persistent on-device sessions, and native window controls.
- Engineered the apps release and auth infrastructure by adding in-app updates with installer fallback and an optional Rust/Axum OAuth 2.1 broker with PKCE, deep-link callbacks, encrypted one-time desktop tickets, and refresh-token handling.

PhishNinja | Phishing Detection Service | Flask, Python, Docker, Object-Oriented Design

Mar 2024

- Built a modular Flask service with custom feature extraction for real-time malicious URL classification, reaching 92% accuracy.
- Containerized the Flask app with Docker to standardize environments and reduce deployment setup time by 50%.

EDUCATION

Seattle University

Sep 2024 – Mar 2026

M.S. in Computer Science, specialization in Data Science

Seattle, Washington

Presidency University

Mar 2020 – Jun 2024

B.Tech in Computer Science, specialization in Artificial Intelligence & Machine Learning

Bengaluru, India