KIRAN ADARI

📞 +1 7325587842 ✉ ka988@scarletmail.rutgers.edu in LinkedIn ⌂ Github 🌐 portfolio

Work Experience

Rutgers   June 2025 – August 2025
AI Full Stack programmer, Intern   *Piscataway, USA*

- Developed and optimized a **real-time video analysis pipeline** using **MMDetection**, **Deep SORT**, **PyTorch**, and **OpenCV**, processing multiple live RTMP streams with **<200ms latency** and achieving **99% uptime.**
- Containerized the backend using **Docker**, reducing deployment time from 2 hours to under 15 minutes across development and production environments.
- Designed and deployed **Kafka-based event messaging** for scalable integration with downstream analytics and alerting systems, handling **500K+ events per day.**
- **Trained and fine-tuned AI models** for object detection and classification using **PyTorch and MMDetection**, improving detection accuracy by 35% through dataset augmentation and hyperparameter tuning.

Aptean   Jan 2022 – December 2023

Full Stack Web Developer – Enterprise Application   *Bangalore, INDIA*

- Designed, developed, and deployed enterprise-grade modules for **Aptean OneEAM** using **Spring Boot (Java)** for backend services and **React.js** for front-end user interfaces, following **MVC architecture** principles.
- Built **RESTful APIs** ensuring seamless data flow across platforms.
- Resolved **critical, recurring bugs**, improving system stability and reducing production incidents by 35%
- Collaborated with cross-functional teams to **optimize existing codebase**, **implement scalable solutions,** and improve application performance by **25%.**

Skills

Programming Languages: Advanced Java, Python, JavaScript

Tech Stack: React, Spring Boot, Hibernate, REST APIs, Django, Node.js

System Design: MVC Architecture, Microservices Architecture

Cloud Devops: AWS, Github, CI/CD pipelines, Docker, Kubernetes

Data & Messaging: MySQL, MongoDB, Kafka

Education

Rutgers University, New Brunswick   Jan 2025 – Present

Masters, Computer Science and Engineering

Grade: 3.5

Achievements

- Fixed a **critical year-long bug** causing system crashes and multi-hour data loss.