

KISHORREKUMAR S

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About Me

Final year B.Tech Artificial Intelligence & Data Science student at RAMCO Institute of Technology, Anna University (CGPA: 7.5, Expected 2027); higher secondary education completed at SBOA Matric Hr. Sec. School, Madurai. Skilled in Python, Java, Django, PostgreSQL, REST APIs, Computer Vision, and Machine Learning, with hands-on experience building and deploying production-grade systems such as the Ramco Academic ERP System and a real-time 5S Safety Monitoring System using YOLOv8. Strong communicator and team player with a passion for solving real-world problems through technology. Outside academics, enjoys music, cricket, and football.

Technical Skills

Languages: Python, Java, C++, C **Frontend:** HTML5, CSS3

Backend: Django, DRF, REST APIs **Databases:** PostgreSQL, MySQL, SQLite, MongoDB, MS SQL Server

AI / ML: YOLOv8, OpenCV, TensorFlow, LangChain, ChromaDB, Roboflow

Tools & Platforms: Git, GitHub, Docker, Linux, RTSP, SMTP, ReportLab, OpenPyXL, pandas

Concepts: Full Stack Dev, Database Optimization, API Development, OOP, Computer Vision, RAG Systems

Soft Skills: Communication, Teamwork, Problem Solving, Time Management, Adaptability, Leadership

Experience

Elysium Technologies Private Limited

2024

Core Java Development Intern

Madurai, India

- Completed industry-oriented training in Core Java covering OOP concepts, Collections Framework, Exception Handling, Multithreading, and File Handling.
- Developed Java applications and mini-projects implementing object-oriented design principles and modular architecture.
- Debugged and optimized Java programs, improving code quality, maintainability, and execution performance, while gaining practical exposure to professional software development workflows.

Projects

Ramco Institue of Technology ERP | *Django, Python, MySQL, MS SQL Server*

2025

- Architected and deployed a comprehensive institutional ERP for RAMCO Institute of Technology covering 13+ modules including Examination Management, Student/Faculty Management, Fee Management, LMS, and NBA Accreditation.
- Implemented role-based access control with OTP-based 2FA and integrated an AI/RAG assistant (LangChain, ChromaDB, Gemini/Ollama) into the LMS; built scalable REST APIs with Django REST Framework across a multi-database (MySQL/MS SQL Server) architecture.

5S Safety Monitoring System | *YOLOv8, OpenCV, Python, Roboflow, RTSP, SMTP*

2026

- Developed a real-time 5S workplace safety compliance system for Ramco Mills, Virudhunagar, using CCTV-based live video segmentation to detect and flag deviations from 5S standards on the mill floor.
- Trained a custom YOLOv8n model on a Roboflow-annotated dataset from live mill footage; ingested CCTV footage via RTSP at 25 FPS for real-time frame-level inference on a monitoring dashboard.
- Automated violation alerting via SMTP (screenshot to supervisors, daily CSV summary to the HOD) and integrated an embedded alarm to audibly alert workers on safety deviations.

Education

RAMCO Institute of Technology, Anna University

2023 – 2027

B.Tech Artificial Intelligence & Data Science | CGPA: 7.5

Madurai, India

SBOA Matric Hr. Sec. School

2012 – 2023

Higher Secondary Education | Class XII: 81%

Madurai, India

Certifications & Hobbies

Certifications: Python Programming, React.js Development, SQL & Database Management, Core Java Development

Hobbies: Music, Cricket, Football