

Kishore Kumar P

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Education

B.E Computer science and Engineering (Cyber Security), Chennai Institute of Technology
Cumulative Grade Point Average: 8.62/10

Sep 2025 – Present
Chennai, India

Professional Experience

Stephen Consulting And Ventures Pvt Ltd., Full Stack Developer Intern

Jun 2026
Chennai, India

- Developed an **AI-powered PII Redaction System** for **Australian Accounting Documents** with **FastAPI, Ollama, and PostgreSQL** for secure document anonymization with **95% accuracy rate**.
- Built a **privacy-preserving document reconstruction** workflow using hashed PII mappings across multiple document formats.
- Created **wireframes** for a business portfolio website, translating business requirements into intuitive UI designs based on stakeholder requirements.

Projects

Digital Twin & Live Health Monitoring System for Turbojet Engine

Jul 2026 – Aug 2026

- **Multi-Target Health ML Model:** Built an ensemble model predicting 6 critical engine targets (Compressor, Combustor, Turbine & Overall Health, Thrust, TSFC) with **98.7%–99.9% R² score**.
- Processed and analyzed engine sensor data using Python and PyTorch to support predictive analytics.
- **Reliability & Performance:** Implemented leak-free GroupKFold cross-validation, σ^2 uncertainty bounds, and real-time degradation velocity tracking at **~4ms inference latency**.

Lab Asset Management System, Node.js, Express.js, MySQL

Feb 2026 – Mar 2026

- Developed a **QR code-based Lab Asset Management System** using **Node.js, Express.js, and MySQL** to automate equipment issuance and return processes.
- Implemented **role-based access control** (Admin, Lab Incharge, User) with workflows for asset requests, approvals, real-time inventory tracking, and equipment availability.
- Built features including **QR-based equipment tracking, penalty calculation, damage reporting, and transaction history**, improving accuracy and reducing **70%** of manual works.

Skills

Languages & Frontend: Java, Python, C++, C, HTML, CSS, JavaScript

Backend & Data Services: Spring Boot, Node.js, Express.js, FastAPI, MySQL, PostgreSQL, MongoDB

Development Tools: Git, GitHub, Postman, n8n

Achievements

Aerothon'26 Finalist (National level hackathon by HAL) — Built an Digital Twin and Live Health Monitoring system for Turbo jet engine

<H@CIT-26> CODEATHON 3rd Runner-up — Secured 3rd Runner-up among **2,500+ participants** after qualifying through three DSA rounds.

Unbound Creativity Finalist — Built an AI-powered productivity assistant for intelligent task management.

Certificates

Python (Basic) - HackerRank  | Google Cloud Generative AI Studio 