

# R KISHORE KUMAR

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Analytical and user-focused Computer Science undergraduate at VIT Chennai with strong experience in data analysis, workflow automation and product-oriented development. Skilled in breaking down user requirements, prioritizing features, executing technical solutions and delivering measurable impact. Experienced in cross-functional collaboration, stakeholder communication, rapid prototyping and leveraging data to guide product decisions.

## EDUCATION

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**Vellore Institute of Technology**, Chennai Sep 2022 – Jul 2026  
B.Tech in Computer Science and Engineering CGPA: 8.38

**Relevant Coursework:** Data Analytics, Product Design Principles, Software Engineering, Data Structures and Algorithms, DBMS, Computer Networks, Artificial Intelligence, Machine Learning, Cloud Computing.

## SKILLS

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<b>Analytics Tools</b>	Excel (advanced), SQL, Pandas, Data Visualization, Statistical Modelling
<b>Technical Tools</b>	Python, Java, REST APIs, Flask, FastAPI, Selenium, TensorFlow
<b>Platforms</b>	Git/GitHub, Postman, Figma, Docker
<b>ML/AI</b>	AWS (EC2, S3), Linux, MongoDB, MySQL
	LSTM, CNN, Computer Vision

## EXPERIENCE

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**Data Analyst Intern** Jun 2025 – Present  
Tydturns Analytics Limited, Chennai  
- Identified workflow bottlenecks and collaborated with business teams to define requirements for automating data operations.  
- Built automated pipelines for market data retrieval using **Python, Selenium, Requests, Pandas**. Reduced manual work by **90%**.  
- Designed metrics dashboards and improved data reliability by refining API integration and merge logic.  
- Performed exploratory data analysis using momentum/volatility indicators to generate actionable insights for product and analytics teams.  
- Worked in **Agile sprints**, participating in stand-ups, requirement discussions and impact reviews.

**AI/ML Intern** Jun 2024 – Jul 2024  
4i Apps Solutions Pvt. Ltd., Chennai  
- Collaborated with product and engineering teams to understand user requirements for internal ML tools.  
- Built and evaluated ML models to support data-driven decision-making.  
- Improved model performance by **20–30%** through feature engineering and tuning, enabling better business use-case alignment.  
- Documented workflows, tested REST endpoints and contributed to deployment discussions from a product-utility standpoint.

## PROJECTS

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### Automated BSE Corporate Announcement Extractor

*Tech: Python, Selenium, BeautifulSoup, Requests, Tkinter, Pandas, Excel*

Designed an end-to-end automated product that retrieves, standardizes and consolidates financial announcements. Achieved **4,000+ daily automated records** with **95% accuracy**. Reduced manual workflow effort by **90%**. Added a Tkinter-based dashboard for real-time visibility — improving user accessibility and decision-making speed.

### Context-Aware Multimodal Scene Description System (LLaVA)

*Tech: LLaVA, Python, YOLOv8, OpenCV, Flask*

Built a real-time assistive system combining visual detection + language understanding. Achieved **32% better**

**caption accuracy** and **45% faster inference**. Focused on designing a lightweight API for easy integration and a better user experience.

#### **iTrack – LSTM-Based Real-Time Attention Monitoring System**

*Tech: MediaPipe, OpenCV, LSTM, TensorFlow*

Created a user-focused attention monitoring solution for productivity and learning use cases. Achieved **90%+ accuracy** and **38% faster inference**. Reduced distraction events by **25%** through behavior-driven insights. Implemented modular components supporting future product scalability.

### **EXTRACURRICULAR ACTIVITIES**

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- **Student Council Member, VITC:** Coordinated academic and cultural events, collaborating with multiple student and faculty stakeholders; contributed to problem-solving, planning and execution.
- **Student Welfare Office, VITC:** Served on the Discipline Committee, ensuring smooth operations during events through conflict management, communication and responsibility.
- **Lead – Photography Team, VIBRANCE 2024:** Managed a **15-member team**, improving workflow efficiency and coverage for 40+ events. Demonstrated leadership, task delegation and user-oriented creative decision-making.