

KISHORE S

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Summary

AI and full-stack developer with experience in machine learning, system design, and intelligent automation, skilled in Python and React for building scalable, end-to-end applications, supported by research work, publications, and national-level hackathon achievements, and driven by a passion for solving complex problems through high-impact engineering solutions.

Education

Cheran Matriculation Higher Secondary School — 12th Grade

97% • 2023

Karur, Tamil Nadu

PSG Institute of Technology and Applied Research

CGPA: 8.5(upto 5 th sem) • 2027

B.E. Computer Science and Engineering

Coimbatore, Tamil Nadu

Skills

- **Languages/Tools:** Python, React.js, Git, Github, NumPy, Pandas, Figma, Android Studio, HTML, CSS, Javascript
- **Core Areas:** OOPS, OS, Machine Learning, DBMS, Computer Networks
- **Soft Skills:** problem solving, critical thinking, Design thinking, Time management
- **Area of Interest:** OpenCV, OS, Machine Learning, DBMS, Computer Networks

Projects

Travel Planner — MERN Stack (ReactJs, Node.js, Express, MongoDB)

Engineered a scalable travel management system allowing users to organize trips, expenses, and documents. Developed a robust backend architecture with persistent database storage for secure data handling. Implemented global state management and successfully deployed the production-ready application.

Gesture Mouse Control — Python, MediaPipe

Developed a real-time hand gesture recognition system using MediaPipe and computer vision. Mapped gestures to mouse movement, clicks, scrolling, and system shortcuts.

Sports Management System — Streamlit, MySQL, Python

Created an interactive sports administration dashboard using Streamlit and MySQL. Implemented CRUD workflows for managing teams, players, matches, and statistics. Enabled real-time updates and validations to ensure data consistency and scalability.

Experience & Publications

Research Intern — IIITDM (2024 — In Progress)

Worked on ML/DL pipelines for Trojan attack detection using SMOTE/ADASYN and LSTM/CNN models.

AERON: Autonomous TARS-Inspired Robot (2025 — Under Review)

Offline robot with transformer-based SLM, Whisper processing, OpenCV vision, and ROS navigation.

AI-Assisted Compiler Visualization (2025 — Under Review)

AI-driven compiler visualization system with GUI animation and hardware feedback.

Achievements

- **Finalist** @ Qualcomm Edge AI Hackathon 2024
- **Finalist** @ SAP Hackfest 2026
- **Finalist** @ Techgium 2025(ongoing)