

Anupa Sajikumar

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Profile

AI-driven innovator passionate about Machine Learning, Deep Learning, and Web Development. Skilled in full-stack development, data analysis, and building intelligent systems to solve real-world problems.

Education

M.Tech in Artificial Intelligence, Amrita Vishwa Vidyapeetham – Coimbatore

B.Tech in Computer Science (AI), Amrita Vishwa Vidyapeetham – CGPA: 8.73 – Amritapuri

12th, St. Antony's Public School – CBSE: 96.7% – Kanjirapally

10th, Al-Janoub Intl. School – CBSE: 95.0% – K.S.A

Experience

Data Analyst Intern, Vimaan Robotics, Bangalore

- Developed Root Cause Analysis system for resolving errors in the PS360 AI pallet scanning model.

Research Intern, Hutlabs, Kerala

- Designed experiments and applied AI algorithms for scientific research.

Projects

- **Solar Flare Intensity Detection and Weather Analysis** - Built a PCA-optimized SVM model to classify solar flare intensity and analyze space-weather patterns with improved predictive reliability. (Oct 2025)
- **Virtual Twin** – 3D AI avatar for virtual meetings (Aug 2024 – May 2025)
- **ProfitMax** – RL-based crypto trading bot (May 2024 – Jun 2024)
- **Look-alike Face Cam** – Doppelganger matching using VGG-Face (Nov 2023 – Jan 2024)
- **ROSARA** – Interactive robotic dog using ROS (Mar 2023 – Apr 2023)
- **Kalman Filter in Aerospace** – Aircraft height estimation (Dec 2023 – Jan 2024)

Skills

Languages: Python, Java, HTML, CSS, JavaScript

Frameworks: React.js, Node.js, TensorFlow, Spark

Tools: MongoDB, PostgreSQL, Hadoop, Git

Publications

- **Virtual Twin AI Assistant**, Prince Sultan University, Data Science Conference, Riyadh, KSA, 2025
- **Sound Navigation TDNN-LSTM**, International Conference on Power Engineering Intelligent Systems, 2025

Certifications

TensorFlow, MongoDB, Project Management, Machine Learning, Drone Technology – University of Pennsylvania, Coursera

Social Outreach

Anti-Drug Campaign, SSR Project – Ramapuram, Kerala

- Led awareness programs and community outreach promoting anti-drug education.

Echoes of Wisdom, Compassion-Driven Project – Kalaypuram, Kerala and Ettimadai, Tamil Nadu

- Visited Old-age homes to connect and interact with elders attaining wisdom and knowledge.