Sreelekshman Sreekumar

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Education

2021-present	**Integrated MSc. Computer Science (Data Science)**, Mahatma Gandhi University, Sacred Heart College (Autonomous), Thevara, Kochi, Kerala, India. Current CGPA: *4.4/5* Bachelor's thesis title: *GenreGlimpse: Multi-Model Movie Genre Prediction from Poster*
2021	**Kerala Higher Secondary Certificate Examination**, Government Vocational Higher Secondary School Chunakara, Mavelikara, Kerala, India. Percentage: *99.3*
2019	**Secondary School Leaving Certificate Examination**, Government Vocational Higher Secondary School Chunakara, Mavelikara, Kerala, India. Grade: *Full A+*

Experience

2025–Present   **Project Intern (Master's Thesis)**, IISER TVM

- Developing a **One-Shot Action Quality Assessment (AQA)** framework to evaluate complex physical skills (e.g., Karate, Jujutsu) using a single reference video.

- Engineering a training-free pipeline leveraging **WHAM** for global 3D human motion recovery; analyzes **SMPL parameters** to quantify joint angular deviations and translational errors to generate interpretable natural language biomechanical feedback using an LLM.

2023-present   **Open-Source Contributor**, BlissLabs.
Maintainer of BlissRoms Android custom ROM for **realme X50 Pro 5G**, ensuring device compatibility and performance in the BlissRoms ecosystem.

Projects

- **GenreGlimpse**: Multi-modal multi-label movie genre classification system analyzing visual semantics in movie posters.
- **ResolveAI**: A robust NLP-based Campus Complaint Management System.
- **Constino**: Legal AI assistant providing constitutional analysis of user scenarios via Retrieval-Augmented Generation (RAG).
- **Portfolio Chatbot**: RAG-powered interactive assistant deployed on a personal portfolio, engineered using n8n workflows.
- **upNAS**: Telegram automation bot facilitating direct file transfers to remote network storage.

Publications

1. S. Sreelekshman, N. Aboobaker, and M. C. Vishnu, "Movie poster analysis and genre prediction," in *International Conference on Advances in Emerging Computing Technologies (ICAECT 2023)*, Sacred Heart College (Autonomous), Kochi, Kerala, India, 2023, pp. 24–28. 🔗 URL: https://tinyurl.com/5n8zp8tp.

Skills

Programming	🔖	Python, C++, R, Java, Kotlin.
Deep Learning	🔖	PyTorch, TensorFlow, Diffusion Models, LoRA/QLoRA, LLMs, LangChain, Neural Architectures.
Development	🔖	Linux/Unix, Docker, Git, SQL, MongoDB, ReactJS, LaTeX, Cloud Computing.
Languages	🔖	English, Malayalam, Hindi.

Miscellaneous Experience

Certification

2025	🔖	**Introduction to Data Analytics for Business**. Awarded by the University of Colorado Boulder.
	🔖	**Semantic Segmentation with Amazon Sagemaker**. Coursera Project Network.
2023	🔖	**Introduction to Big Data**. Awarded by the University of California, San Diego.
	🔖	**Basics of Cyber Forensics and Data Security**. Awarded by Tech by Heart, Kochi.

Presentation

2025	🔖	**Objective Assessment of Karate Kata Performance through Synchronized Multi-View Video Analysis and Deep Learning**. Presented at International Conference on Science, Engineering & Technology (ICSET-25), Organized by Society For Education (SFE), Trivandrum, India.
2023	🔖	**Movie Poster Analysis and Genre Prediction using Deep Neural Networks**. Presented at ICAECT 2023, Sacred Heart College, Thevara, Ernakulam, Kerala, India.
	🔖	**Artificial Intelligence for Society**. Organized by Sacred Heart College, Kochi, Kerala.

Workshops

2024	🔖	**Building Interactive Dashboards with Grafana**. DevFest 2024, Google, Kochi
	🔖	**LLM Architecture and Model Deployment**. Organized by Tinkerspace, Kochi, Kerala.
2023	🔖	**GPU Programming and Distributed Deep Learning With Pytorch**. Organized by the Department of Computer Science, Cochin University of Science and Technology, Cochin.
2022	🔖	**Cyber Security and Ethical Hacking**. Organized by Government Engineering College, Thiruvananthapuram, Kerala.

References

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