DEC 11, 2003 • INDIAN • MALE

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KAUSHIK ALAGUVADIVEL RAMYA
RESUME

An undergraduate student with extensive research experience in AI, explainable AI and software development. Published research on AI technologies for safe and interpretable AI with innovative approaches in solar forecasting and human activity recognition. A technical expert and who is dedicated to driving impactful and ethical AI solutions.

EXPERIENCE

SAAS – CO-FOUNDER & PRODUCT DEVELOPER   **Jul 2024 - Present**
LegalAppa   *Madurai, Tamil Nadu, India*
- Spearheaded AI assistant development for streamlining legal document drafting for lawyers, enhancing efficiency.
- Developed innovative solutions to boost productivity

CO-FOUNDER & PRODUCT/AI ENGINEER   **Feb 2024 - Present**
Locallu   *Madurai, Tamil Nadu, India*
- Spearheaded a tech team, creating an AI-driven platform for business-freelancer interaction, and delivered a fully operational MVP
- Fostered a collaborative environment, boosting team productivity

INTERNSHIP   **Dec 2023 - Jan 2024**
Pi42   *Bengaluru South, Karnataka, India*
- Pioneered Tweeshirt, an AI-powered e-commerce platform for personalized merchandise creation using social media.
- Streamlined end-to-end production, from AI image generation to final delivery

INTERNSHIP   **Jun 2023 - Jul 2023**
KaarTech   *Chennai, Tamil Nadu, India*
- Identified and analyzed seasonal sales trends to forecast yearly data
- Utilized Predictive analysis to provide innovative solutions to complex business problems

EDUCATION

BACHELOR OF TECHNOLOGY – INFORMATION TECHNOLOGY   **May 2025**
Thiagarajar College of Engineering   *Madurai, Tamil Nadu, India*

CGPA : 8.08 (Upto 6th semester)

TECH STACK

Python, AI/ML, Explainable AI, AWS, Data Engineering, Full Stack Development, Git

ADDITIONAL INFORMATION

PUBLICATIONS

Enhancing Human Activity Recognition: An Exploration of Machine Learning Models and Explainable AI Approaches for Feature Contribution Analysis

A. R. Kaushik, K. S. Gurucharan and S. Padmavathi, "Enhancing Human Activity Recognition: An Exploration of Machine Learning Models and Explainable AI Approaches for Feature Contribution Analysis," 2023 International Conference on Energy, Materials and Communication Engineering (ICEMCE), Madurai, India, 2023, pp. 1-6, doi: 10.1109/ICEMCE57940.2023.10434184.

Performance Analysis of Regression Models in Solar PV Forecasting

A.R. Kaushik, S. Padmavathi, K. S. Gurucharan and S. C. Raja, "Performance Analysis of Regression Models in Solar PV Forecasting," 2023 3rd International Conference on Artificial Intelligence and Signal Processing (AISP), VIJAYAWADA, India, 2023, pp. 1-5, doi: 10.1109/AISP57993.2023.10134943.

PROJECTS

- **Twee-shirt:** Created a platform converting tweets into custom merchandise, blending social media with AI-driven personalization.
  Tech Stack: Next.js, Node.js, Stable Diffusion, Twitter API.
- **Hostel Management v1:** Independently built an app for efficient hostel record management, streamlining administrative tasks for the TCE ladies' hostel. **Tech Stack:** MERN Stack, Firebase.
- **Energy forecasting and Disaggregation:** Designed an app for precise energy use forecasting and appliance-wise energy consumption disaggregation for the Computer Science department of TCE. **Tech Stack:** Deep Learning, LSTM, Python, Flask.

ONGOING RESEARCH

- **Advancing Transparency in Emotion Recognition Systems through XAI**
  This research enhances transparency in emotion recognition using physiological signals by using Explainable AI, improving model interpretability and user trust.
- **Unveiling COVID-19 Twitter Trends and Sentiments: An ML and SNA framework**
  A conference paper that applies machine learning and social network analysis to understand public sentiment shifts on Twitter during COVID-19.
- **Responsible AI in Emotion Recognition Systems**
  This research emphasizes fairness and interpretability in predictions made by emotion recognition systems, ensuring ethical application in user-sensitive contexts

LANGUAGES

Tamil, English

LINKS

Personal Portfolio:
www.kaushikar.com

LinkedIn :
https://www.linkedin.com/in/kaushik-alaguvadivel-ramya-405673221/

LegalAppa : www.legalappa.com

Github : https://github.com/kaushikar11

SOFT SKILLS

Innovative Thinking, Problem Solving

Product Management, Strategic Planning, Team Leadership, Stakeholder Engagement

CERTIFICATIONS