Kamaleshwaran BM
B.Tech Artificial Intelligence and Data Science
KARPAGAM COLLEGE OF ENGINEERING

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Examination	University	Institute	Year	CGPA/Percentage
BTech	Anna University	Karpagam College of Engineering	2027*	8.32*
HSC	TN State Board	Nirmala Matha Convent Matric Hr.Sec School	2023	76%
SSLC	TN State Board	Nirmala Matha Convent Matric Hr.Sec School	2021	-

SKILLS SUMMARY

Languages: Java, Python, SQL
Frameworks: Flask,TPOT, H2O.ai,Keras,Tensorflow,Crew Ai,Pandas,Numpy,Open CV,Matplotlib,Plotly,Langchain LangGraph,Snowflake,kafka
Developer Tools: Git, GitHub, Jupyter Notebook, VS Code, Eclipse, Docker, Streamlit
Visualisation Tools & Software: Power Bi, Tableau, Excel.
Web Development: Html,css,Servlet,Jsp
Soft Skills: Active Listening, Public Speaking, Written Communication, Adaptability, Emotional Intelligence,Leadership

KEY PROJECTS

Middleware Componentto Recommend and Enhance Existing Non-Agentic Solutions to Agentic AI Frameworks | *Python,Agentic AI,LLM, Crew Ai,Langchain* *[Dec'25]*

- Developed a middleware infrastructure to convert non-agentic AI systems into an agentic AI framework.
- Facilitates self-directed decisioning and task completion without requiring changes to existing solutions.

Mindora| *Python, Agentic AI,Crew AI, TensorFlow/Keras,Groq,DL,LLM,NLP* *[Dec'25]*

- Created a platform for n8n-like workflow automation driven by AI that transforms natural language prompts into intelligent, executable workflows.
- Automated the creation and connection of automation nodes by implementing dynamic workflow generation.
- Automated the creation and connection of automation nodes by implementing intent understanding and dynamic workflow generation.

Automated Gmail Agent |*Python,AI/ML,CREW AI,DL,Multiagents,Automation* *[Oct '25]*

- created an AI-driven HR automation system to categorize incoming messages and provide pertinent responses automatically.Identified potential queries, requests, and priorities using NLP-based intent detection.
- Automated bulk response processing to guarantee prompt and uniform correspondence with every applicant.

Digital Twin for Automated Deconstructor|*Python, YOLO, OpenCV, Twin Simulation,Resnet,ML,DL* *[Sep'25]*

- A real time E- waste classifier using Yolo and predict their hazardous levels based on the materials lookup table and provides deconstruction methods
- Designed a digital twin to continuous simulate and monitor the e-waste deconstruction workflow in real time Without any human autonomous .

AR Virtual Musical Instrument System | *Python, OpenCV, MediaPipe, TensorFlow/Keras* *[June'25]*

- Augmented Reality (AR) musical system that lets users play virtual instruments like drums, piano, and tabla using real-time hand movements detected via webcam.
- It integrates computer vision ,virtual environment and Flask web technology to provide an interactive and immersive music experience directly through a web interface.

SCHOLASTIC ACHIEVEMENTS

- Won the National level Hackathon jointly organized by IIT Kharagpur Alumini Association and Shiv Nadar University -Chennai ,India *[Jan'26]*
- Winners at AIM'25 at Infynd [Industry level Hackathon] -Coimbatore ,India *[Oct'25]*
- Top 10 finalist at Vellore Institute of Technology Hackbattle'2025 Hackathon *[Sept'25]*
- First prize in Hackzilla'2025 Hackathon at KPR institute of Engineering and Technology *[Sept'25]*
- Achieved Second Price in Application Development , KCE *[Feb'24]*

EXTRA-CURRICULAR ACTIVITIES

Technical	Presented a paper on Evaluating Groundwater Quality in Tirupur:Hydrochemical Facies -CIT *[Feb'25]*