

LOGESH S

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PROFESSIONAL SUMMARY

Final-year **B.Tech Artificial Intelligence & Data Science** student specializing in **Artificial Intelligence** with hands-on experience in **RAG systems, LLMs, and Computer Vision**. Passionate about building intelligent, high-impact **AI solutions** that drive automation and insight.

EDUCATION

- **B.Tech – Artificial Intelligence and Data Science**, Kangeyam Institute of Technology *2022 – Present*
CGPA: 8.45
Relevant Coursework: Data Science, Machine Learning, Deep Learning, Python Programming, Data Visualization
- **HSC**, Navarasam Matric Hr Sec School *Percentage: 77.8%*
- **SSLC**, Navarasam Matric Hr Sec School *Percentage: 98%*

SKILLS

- **Languages:** Python, C
- **Core Concepts:** Machine Learning, Deep Learning, Computer Vision, NLP, RAG, LLMs
- **ML Libraries:** TensorFlow, Keras, Scikit-learn, Pandas, NumPy, Matplotlib
- **Data Analytics Tools:** Excel, Power BI, Tableau, KNIME
- **Soft Skills:** Problem-Solving, Logical Thinking, Team Leadership

PROJECTS

Multi-User Real-Time Eye Gaze Tracking System *Python, OpenCV, MediaPipe, Tkinter*

- Built a real-time multi-user gaze tracker with unique labels and color-coded indicators.
- Improved accuracy by combining iris tracking, head-pose estimation, and regression models.

RAG-Powered Smart Knowledge Assistant *Python, LangChain, FAISS, HuggingFace, Streamlit*

- Developed a retrieval-augmented chatbot capable of answering context-aware questions from PDFs and text data.
- Implemented local embeddings and LLM pipelines for privacy-friendly offline inference with a clean Streamlit interface.

Gender Prediction Using CNNs *MobileNetV2, InceptionV3, TensorFlow*

- Developed an ensemble model on IMDB and UTKFace datasets, achieving **90%+ accuracy**.
- Enhanced fairness with augmentation, fine-tuning, and balanced dataset training.

IPL Team Performance Dashboard (Power BI)

- A dynamic theme/title, dot ball percentage, and multi-filter interactivity analyzed IPL matches (2008–2024) for team and player performance using DAX-powered metrics.

Advanced Learning Analytics Dashboard (Tableau)

- Built a dashboard tracking engagement, scores, and completion rates for e-learning platforms.
- Implemented parameter filters, Top-N analysis, and course-level drilldowns.

Spam and Fraud Detection (KNIME)

- Developed spam classification (85.54% accuracy) and fraud detection models using ML techniques.
- Preprocessed data with tokenization, stopwords removal, and feature scaling.

INTERNSHIP EXPERIENCE

AI Intern – Lavendel Consulting

May 2025 – Aug 2025

- Built multi-user gaze tracking app with real-time accuracy and usability.
- Added face recognition, calibration, and gaze prediction in Tkinter UI.
- Optimized system for stable high-FPS multi-user performance.

In-Plant Internship – Global Knowledge

- Gained hands-on practice in KNIME for data analysis and feature extraction.
- Worked on preprocessing techniques and basic model deployment workflows.

CERTIFICATIONS

- Joy of Computing Using Python – NPTEL
- Foundation of Cloud, IoT & Edge ML – NPTEL
- Artificial Intelligence Primer – Infosys Springboard
- Prompt Engineering - Infosys Springboard

ROLES & RESPONSIBILITIES

- **President – Association of AI & DS** (Aug 2025 – Present): Led initiatives, events, and collaborations.
- **Mentor – Rotaract Club** (Jul 2025 – Present): Guided members in projects and leadership.
- **Secretary – Rotaract Club** (Jul 2024 – Jun 2025): Managed operations and 25+ events.
- **Class Representative** (2023 – Present): Acted as liaison between faculty and students.

AWARDS & RECOGNITION

- **Best Secretary Award** – Recognized for leadership in Rotaract Club.
- **Outstanding Academic Performance** – For top performance among students in RI District 3203.
- **1st Prize** – Coding & Debugging Competition at Vellalar College of Engineering and Technology.
- **Selected for Infosys Virtual Internship 6.0 (AI/ML)** – Program starting Nov 2025.