RAJAPANDI B

Final-year AI Developer skilled in LLM Agents, RAG systems, and Agentic AI solutions.
Experienced in real-time computer vision, generative AI, and cross-domain AI applications.
Passionate about ethical, impactful AI that solves real-world problems.
Seeking global internships or entry-level roles to contribute to cutting-edge AI innovations

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EDUCATION

SSLC- Shri Vidhyaa Giri Matriculation Higher Secondary School	2017 - 2019
HSC- GMHSS Keelapoongudi | Computer Science	2020-2022
Bachelor of Technology – Computer Science and Business Systems	GPA: 7.2
Sethu Institute of Technology, Tamil Nadu, India	Expected: March 2026

Courses: computer science with business management, Artificial Intelligence, machine learning, deep learning, Data Structures & Algorithms, technology management alongside Business principles like finance and marketing

SKILLS SUMMARY

- **Languages:** Python (AI/ML, Generative AI, RAG), C, C++, Java
- **AI & ML Frameworks:** TensorFlow, Keras, Scikit-learn, OpenCV, NLTK, Hugging Face Transformers
- **Agentic & Generative AI**: LangChain, LangGraph, GPT-based Models, LLaMA, Stable Diffusion, RAG Systems
- **Tools:** Git, MySQL, SQLite, VS Code, Jupyter Notebook
- **Platforms**: Windows, Web, Arduino, Raspberry Pi
- **Soft Skills**: AI Product Development, Problem Solving, Leadership, Time Management, Research Thinking

PROJECTS

1. AI E-Commerce Product Authenticity Checker & Price Comparator
Tech Stack: Python, Hugging Face Transformers, Flask, Pandas, LLMs
Developed an AI tool to detect counterfeit products, compare prices, suggest reliable alternatives, and respond to user queries via an AI chatbot to enhance e-commerce safety and trust.

2. JurisGPT Legal-Ease – AI Legal Assistant
Tech Stack: Python, LangChain, OpenAI API, NLP, RAG, LLMs
Created a legal assistant capable of answering Indian legal queries, suggesting strategies based on case precedents, and improving access to legal information for the public and professionals.

3. Multi-Agent AI Market Briefing Assistant
Tech Stack: LangChain, FAISS, FastAPI, Streamlit, Whisper, AlphaVantage API
Built a real-time financial assistant using multiple intelligent agents for data retrieval, summarization, news scraping, and voice input/output. Delivers spoken and visual market insights for traders.

4. Edge AI Navigation System for the Blind
Tech Stack: Python, OpenCV, TensorFlow, Raspberry Pi
Engineered a computer vision–based assistant to aid visually impaired users with object/person detection, notice reading, and navigation guidance using real-time speech alerts.

EXPERIENCE

TACSS LLP – AI Developer Intern   **Jan 2025 – May 2025 | Remote**

• Completed a 4-month internship under the Technical Head, focusing on real-world AI development.
• Built LLM-based agents for AI interview systems and resume automation.
• Gained practical experience with Generative AI, LangChain, and RAG pipelines in collaborative projects.

NoviTech R&D Pvt Ltd – AI Intern   **June 2024 – July 2024 | Remote**

Built object detection and face authentication systems using OpenCV.
• Developed a traffic fine automation model with license plate recognition.
• Improved detection accuracy via data preprocessing and augmentation techniques.

Cognifyz Technologies – ML Intern   **July 2024 – Aug 2024 | Remote**

• Designed ML models for classification and predictive analytics

• Conducted feature engineering and model evaluation using Python and Scikit-learn.
• Contributed to scalable, data-driven solutions in a remote team environment.

PUBLICATIONS

Advanced Edge AI Navigation and Assistance System for Blind Users
Published in *International Journal for Multidisciplinary Research (IJFMR),* Volume 6, Issue 5 (September-October 2024).

Conferences & Presentations

Lexi Sense – AI-Powered Legal Assistant
Presented at ICCCT 2025, Sri Vidya College of Engineering & Technology
Sponsored by Tamil Nadu State Council for Science & Technology | March 22, 2025
Explored Generative AI & LLMs for legal analysis and AI-driven legal support.

Certifications

• [AI Appreciate –]() Intel & CBSE: Learned ethical, responsible AI applications for solving global challenges.
• [Generative AI]() & [AI Primer]() – Infosys Springboard: Gained hands-on skills in LLMs, NLP, and applied ML for real-world use cases.
• [Computer Vision – Udemy]() & [AI Masterclass]() – NoviTech: Built image/video processing systems using OpenCV and deployed AI solutions across domains.

HONORS AND AWARDS

• **First Place** – Winning Paper Presentation, K.S.R College of Engineering Tiruchengode, 637 215, Namakkal (D.t), Tamilnadu, India
• Honours Diploma in Computer Application (HDCA) Completed

VOLUNTEER EXPERIENCE

Sethu Institute of Technology, CSBS Department (March 2024)
Led the planning and execution of the departmental symposium, coordinating events and managing logistics effectively.

Organizer, College Hostel Day, Sethu Institute of Technology (October 2023)
Successfully coordinated the planning and execution of the college hostel day, managing logistics and organizing activities. Engaged students and faculty, fostering a sense of community and collaboration among hostel residents.