

NAGARAJ M

+91-9894019866 | manivasgam15@gmail.com | <https://github.com/nagarajrtr2026> |
<https://www.linkedin.com/in/rtr-nagaraj-1928b2224> | <https://nagaraj.me>

PROFILE

Final-year AI & Data Science student with hands-on experience in developing AI applications using Python, LLMs, and modern Agentic AI frameworks, Data Analytics. Skilled in building end-to-end AI solutions, Data Analysis, model integration, and applied research-driven projects.

SKILLS

Programming: Python

AI/ML: TensorFlow, PyTorch, Scikit-learn, CNN, RAG, LLM APIs

Web Development: React.js, Next.js, Node.js, FastAPI, Flask, Streamlit

Cloud & Tools: AWS, Git, GitHub, Linux, PostgreSQL, MongoDB, Tableau, Google Colab, Cursor

Design & Productivity: Figma, Excel, MS Word

EXPERIENCE

AI-Powered App Intern **Boredom Technologies LLP**

- Developed AI-driven application workflows and collaborated on intelligent automation features. Recognized as an Outstanding Performer for technical contribution and project execution.

Data Science Intern **Cognifyz Technologies**

- Worked on data preprocessing, visualization, and predictive modeling using Python-based ML workflows.
- Gained practical exposure to model evaluation and analytical problem-solving techniques.

AWS Cloud Intern **SmartBridge**

- Built cloud-integrated backend applications using Flask, AWS EC2, DynamoDB, and SNS services.
- Implemented deployment and cloud service integration for scalable application workflows.

Generative AI Intern **Smartyugam**

- Developed AI-powered applications including healthcare chatbots, music generation systems, and an AI-based SQL Insight Generator using modern GenAI tools and APIs.

CERTIFICATIONS

- NASSCOM Global Certification – AWS Cloud Internship Program
- Public Speaking & Excel Essential Training – LinkedIn Learning
- Introduction of Large Language Model – NPTEL (IIT Madras)
- AI-Powered App Internship Certification – Boredom Technologies LLP □ Data Science Internship Certification – Cognifyz Technologies

EDUCATION

Kathir College Of Engineering ,coimbatore-India (Expected-2027)

Bachelor Of Technology in Artificial Intelligence & Data Science

Current CGPA: 8.2/10

PROJECT

OFFLINE CHATPDF USING LOCAL LLM (OLLAMA)

Developed an offline Retrieval-Augmented Generation (RAG) application enabling users to upload PDFs and interact with documents without external APIs. Integrated FAISS vector search and locally hosted LLMs for secure AI-powered document querying.

AGENTIC SQL INSIGHTS , AI-POWERED DATA ANALYTICS PLATFORM

Developed a full-stack AI business intelligence platform for dataset analysis, automated SQL generation, interactive visualizations, and report creation.

TRAVELGO – CLOUD-BASED TRAVEL BOOKING PLATFORM

Designed and deployed a travel booking platform using Flask and AWS services including EC2, DynamoDB, and SNS. Implemented scalable backend workflows, cloud deployment, and automated notification systems.

MULTI-TENANT MANAGEMENT WEB APPLICATION

Developed a secure multi-tenant web platform with separate role-based dashboards for management and users. Implemented dynamic data handling, authentication workflows, and scalable architecture for organizational operations.

SMART STUDY ROOM WEATHER MONITORING (EIoT)

Created an Embedded IoT-based environmental monitoring system to track room temperature and weather conditions for optimized study environments. Integrated sensor-based real-time monitoring with automated data visualization features.

GENERATIVE AI APPLICATION PLANNING PLATFORM

Designed a structured JSON-based application planning framework for Generative AI platforms to streamline workflow architecture and modular AI system design. Focused on scalable planning logic, structured configurations, and intelligent application orchestration.

LEADERSHIP & VOLUNTEER

Vice President - Rotaract Club of Kathir College of Engineering 2025 – Present

- Collaborated on community service & ISD projects, leadership events, and campus initiatives.
- Supported team coordination and communication as part of the executive board.

Marketing Assistant - Mother Education Trust 2024 – Present

- Assisted in planning and executing marketing campaigns to promote educational programs. Managed outreach efforts, helping increase student engagement and awareness.

Communication Club Co-ordinator - KCE 2024-25

- Led Department of AI&DS Club Association projects

ACHIEVEMENTS

- Awarded Best Poster Presentation at various College technical and non-technical symposiums.
- Nominated for Inspire Award science projects and kamarajar award
- Recognized as Outstanding Performer during AI-Powered App Internship at Boredom Technologies LLP
- Recognized as a Top Performer in inter-college hackathons and CTF for developing innovative AI-based solutions.