ANANDHA KRISHNAN S

AI Engineer / Consultant

linkedin/anandha-krishnan-s | Portfolio Website | githubanandhakrishnan | 20 Oct 2000 | anandhakrishnancareer@gmail.com

7356218038 | Kochi (India)

PROFILE

AI Engineer/Consultant with 2+ years of experience building production-grade RAG systems, LLM-powered automation, and scalable AI pipelines. Experienced in consulting engagements, collaborating with stakeholders and clients to gather requirements, translate business needs into AI-driven solutions, and deliver measurable results. Specialized in conversational AI, cloud-based workflows, and data-centric systems that drive operational efficiency and business impact.

PROFESSIONAL EXPERIENCE

Avantoura, *AI Engineer*   August 2025 – Present
- Engineered AI workflows using n8n, Cloudflare Workers, Evolution API, and Gemini Pro, enabling scalable event-driven pipelines for data processing and conversational automation.
- Architected a RAG-based chatbot with domain-adaptive embeddings and context retrieval using vector search model in mongodb, improving answer accuracy by 55% and reducing support workload.
- Developed an audio-to-insights pipeline using Whisper + custom NLP models to transcribe, clean, and structure 1,000+ hours of audio data for analytics and product insights.

Sam Corporate, *Data Implementation Engineer*   August 2024 – August 2025
- Integrated Azure AI (OCR + Form Recognizer) with Generative AI workflows to extract structured insights from handwritten forms and ESG PDFs, reducing manual processing time by 70%.
- Built a Python-based Data Mapping & Power BI automation workflow that aligned 10+ client templates and improved data accuracy and reporting speed by 40%.
- Implemented internal testing and validation workflows using Selenium and Playwright, increasing test reliability and reducing manual QA time.
- Led client requirement-gathering, onboarding, and solution demo sessions, ensuring smooth adoption of data automation tools.
- Worked with cross-functional teams (tech, QA, product, consulting) to translate business rules into scalable data pipelines and integration logic.

Luminar Technolab, *Data Science Intern*   November 2023 – July 2024
- Developed ML/DL solutions including an LSTM currency predictor (R^2 = 0.91), CNN for diabetic retinopathy detection (78.5% accuracy), and fake news classifier (98.7% accuracy using SVM & spaCy).
- Built a real-time gesture recognition system using OpenCV & MediaPipe with <50 ms latency for efficient human–computer interaction.
- Worked with Power BI dashboards and performed SQL-based analytics on IMDb and transaction datasets to uncover actionable business insights.

PROJECTS

AttriMind, *Machine Learning for Attrition & Depression Detection*
- Developed a Linear Regression model achieving 81% accuracy, improving predictive performance and enabling data-driven monitoring and decision-making.
- Designed and built a full-stack application end-to-end—from survey data collection and user onboarding to model integration and results visualization—streamlining user management and predictions within a single platform.
- Evaluated and benchmarked multiple machine learning algorithms with accuracy ranging from 70% to 90%, ensuring robust and reliable mental health assessment outcomes.

EDUCATION

Master's in Computer Science (CGPA-8.1), *University of Kerala*
2021–2023 | Thesis: Employee Attrition & Depression Analysis using ML

SKILLS

Generative AI & LLMs: Claude, Mistral, LLaMA, LangChain, LlamaIndex, RAG, Vector Databases, Prompt Engineering, and Agentic Workflows.

Machine Learning: RNN, CNN, Transformers, XGBoost, LightGBM, Clustering, PCA, NLP, and Model Optimization.

Tools: GCP (Compute Engine, GCS), Azure (ML Studio, DevOps), Docker, Kubernetes, Git, and Terraform,N8N, Playwright, Docker,MongoDB, MySQL, Azure,Fast API,Flask,REST

Visualization: Power BI, Tableau, Looker Studio, Excel (Power Pivot, DAX), Matplotlib, Seaborn, and Plotly.

Programming: Python, SQL, R, Java, Scala, Bash, HTML, and CSS.

CERTIFICATES

Google Data Analytics Professional Certificate | Google Business Intelligence Professional Certificate | IBM-Python 101 for Data Science | University Of London, Foundations of Data Science: K-Means Clustering in Python | Meta Front-End Developer Professional Certificate

LANGUAGES

English | Malayalam | Spanish | Hindi | Sanskrit