

ANIL NARAYANAN

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 Bangalore, India

 anilnarayanan.github.io

SKILLS

Cloud & Infrastructure

AWS, GCP, Azure, VMware, Kubernetes, Docker.

MLOps, DevOps & CI/CD

MLFlow, GitHub Actions, Jenkins, Terraform, Ansible, Docker, Kubernetes.

Full Stack Development

- *Backend:* Django, Flask, Spring Boot, PostgreSQL, SQLite, Cassandra, MongoDB, Redis, Memcached, FAISS, Weaviate, Pinecone, Chroma, OpenSearch, Neo4j, Salesforce Apex.
- *Frontend:* JavaScript, ReactJS, Bootstrap, Bulma, HTML, CSS, Salesforce Lightning.

AI/ML, Data Science & NLP

- *Technologies:* LangChain, LangGraph, Langfuse, LlamaIndex, Azure, AWS & GCP AI Services, NVIDIA NeMo Guardrails, TensorFlow, PyTorch, scikit-learn, Keras, Pandas, NumPy, Generative AI models, spaCy, NLTK, Matplotlib, Seaborn, KNIME.
- *Techniques:* EDA, Data Preprocessing, Feature Engineering, Model Fine-tuning, Statistical Analysis, Data Visualization, Hyperparameter Optimization, Model Performance Evaluation.
- *Applications:* Chatbot Development, Machine Translation, Agentic Workflows, Text Classification, Sentiment Analysis, NER, RAG.

Generative AI & Automation

OpenAI(GPT Models), LLAMA, Bert, Hugging Face, REST APIs.

Hybrid Cloud & BCDR Solutions

VMware, OpenStack, AWS, Azure, GCP, Veeam, Zerto, AWS CloudEndure, SDDC, SDS, SDN.

Data Scraping & Insights Generation

BeautifulSoup, Scrapy, Selenium, OpenAI APIs, Large Language Models (LLMs).

PROFESSIONAL SUMMARY

Open Group Certified Solution Architect with over 18 years of experience in Enterprise and Cloud Architecture, Application Modernization, DevOps, and Full Stack Development. Skilled in implementing AI/ML solutions and automation frameworks across Financial Services, Automotive, IT, Retail, and Government sectors. Proven track record of leading teams to deliver innovative solutions, including AI/ML projects and automation-driven efficiency improvements.

PROFESSIONAL EXPERIENCE

Associate Director, Software Architecture
Kyndryl Solutions Pvt. Ltd., Bangalore

January 2022 - Present

Conferences & Thought Leadership

Represented Kyndryl at NASSCOM Technology & Leadership Forum, 2024

- Showcased Kyndryl's cloud and AI solutions, engaging with industry professionals and potential clients.
- Facilitated discussions on digital transformation and modernization strategies, highlighting innovations in AI and enterprise architecture.

Financial Services

- *Client: Reserve Bank of India Innovation Hub (RBiH)*
 - Led the development of RBI's Unified Lending Interface (ULI), integrating 18 lenders into a unified platform, launching 40+ services, handling over a million API calls and reducing loan processing times by 40%.
- *Client: CreditAccess Grameen*
 - Developed a sentiment analysis solution using data extracted from annual reports, financial feeds, and financial news sources. Leveraged NLP models to generate time-series sentiment trends and strategic insights. Delivered interactive dashboards that improved stakeholder visibility into organizational performance and customer perception.

Automotive

- *Client: Honda Motorcycle & Scooter India (HMSI)*
 - Sentiment analysis solution to aggregate and preprocess customer feedback from social media, bike-review platforms, and dealer-network surveys. Engineered custom scrapers and preprocessing workflows; boosted NER precision for bike-brand/model extraction via synthetic data (Llama 3, Deepseek-r1). Leveraged Azure OpenAI for sentiment categorisation, topic modeling, and delivered interactive dashboards that gathered actionable insights - impacting product development, marketing campaigns, and dealer-experience enhancements.
- *Client: Hero Motor Corp*
 - Engineered agentic GenAI query system, leveraging SQL-driven quantitative and RAG-based qualitative pipelines. Architected a semantic router to classify and merge queries, and built custom scrapers, embedding models, and vector search workflows to gather insights from Team-BHP, BikeWale, and BikeDekho. Incorporated guardrails and filters to guarantee response accuracy, security, and relevance.
- *Client: Mercedes-Benz Research & Development India*
 - Multilingual MT framework fine-tuned on GenAI/sequence models (Flan-T5, MarianMT, Fairseq) on diverse domain-specific datasets (OPUS, Hugging Face, LLM-generated corpora). Implemented end-to-end solution for data preprocessing, model selection, training, evaluation (BLEU, METEOR), and deployment. Delivered 75–80% manual effort savings and achieved a BLEU score of 73.7%, significantly accelerating global content rollout.

Aviation

- *Client: Bangalore International Airport (BIAL):*
 - Collaborated on the development of PoCs utilizing GenAI to enhance passenger experience, including AI-driven avatars for digital kiosks, intelligent chatbot Q&A systems, and automated social media sentiment analysis. Served as a key member of the RFP response team, leading the formulation of solution strategies, defining high-level technical architecture, and aligning AI-driven initiatives with client business objectives.

EduTech

- *Client: Jain University*
 - Built AI-powered online student proctoring solution using open-source technologies with hybrid edge-cloud architecture, achieving dramatic cost reduction through automated violation detection and intelligent processing, supporting 500-1000 concurrent users.

Marketing

- *Client: Kyndryl Marketing*
 - Drove a multi-cloud, self-service language translation platform, integrating Azure & Google APIs with custom glossaries - delivering 10x efficiency, 80% accuracy, and a 160-day time-to-market acceleration.

Infrastructure

- *Client: Kaiser Permanente*
 - Developed an automation engine leveraging GenAI to streamline the creation and management of Kubernetes Kustomize overlays. The solution intelligently generates overlay configurations based on deployment context, reducing manual intervention. Achieved a 60% reduction in configuration time and 30% acceleration in environment setup, significantly improving DevOps efficiency and consistency.
- *Client: Kyndryl Accounts*
 - Created AI-powered tools for migrating legacy scripts to IaC, cutting migration timelines by 50% and reducing manual effort across cloud infrastructure projects.

Software Architect

March 2011 - Dec 2021

IBM India Pvt. Ltd., Bangalore

Client Offerings

- *Domain: Modernization and Migration*
 - Lead developer for the IBM Software Defined Modernization and Migration platform, enhancing workload migration efficiency by 30%.
- *Domain: Digital Identity Verification Solutions*
 - Architected a digital identity verification solution with document and selfie verification, mitigating fraud and strengthening privacy protection.
- *Domain: Nonprofit and Government Solutions*
 - Developed an online grant application system on Salesforce, streamlining grant tracking and reporting to reduce administrative workload.

- *Domain: Infrastructure*
 - Engineered an automation framework using ReactJS and GitHub Actions to deploy infrastructure and application stacks on public Clouds.

Media

- *Client: WPP Plc.*
 - Developed cloud solutions with SDDC, SDS, and SDN, along with business continuity and disaster recovery strategies for hybrid clouds, improving infrastructure performance by 20% and system resilience by 25%.

Subject Matter Expert Nov 2009 - Mar 2011

KPIT Cummins Infosystems Ltd., Bangalore

- Resolved technical issues in firmware, middleware, and application software.
- Conducted research on product internals and communicated findings to support teams.
- Managed product escalations, performed RCA, and implemented solutions.
- Communicated effectively with technical and non-technical stakeholders.

Technical Solutions Engineer May 2007 - Nov 2009

Hewlett Packard Enterprise, Bangalore

- Specialized in providing support to HP Business Critical Enterprise clients and engineers on the VMware virtualization platform.

Software Engineer June 2000 - Sep 2002

National Institute of Rural Dev., Hyderabad

- Led the design and development of the institution's web portal for seamless functionality.
- Engineered and enhanced the library management product suite (CLIC) to manage books, journals, issues, returns, magazine, and media cataloging, incorporating advanced reporting features for comprehensive record-keeping and reviews.

EDUCATION

PG Diploma, AI/ML 2024-2025
IIIT, Bangalore

PG Diploma, Software Engineering 2019-2020
IIIT, Bangalore

M.S. Information Technology 2003-2005
University of Southern Queensland, Sydney, Australia

CERTIFICATIONS

- Open Group Certified IT Architect
- Cisco Certified
- VMware Certified Professional
- RedHat Certified
- HashiCorp Certified: Terraform Associate