

Contact

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Top Skills

Snowflake
Large Language Models (LLM)
Agentic AI Framework

Certifications

The Complete Agentic AI
Engineering Course (2025)
LLM Engineering - AI, LLM and
Agent

Vignesh Sundaresan

Manager - Data Analytics | AI/ML/Gen AI/LLM Specialist | Business
Consultant/Product Owner- Data Science | Pre-Sales - Data Science
| Post graduate in AI/ML/GenAI | M.B.A
Chennai, Tamil Nadu, India

Summary

IT professional with 12 years of experience as a Manager, Product Owner and Business Consultant, leveraging Data Analytics/AI/GenAI to drive digital transformation and solve complex business challenges. I specialize in designing and building scalable ETL pipelines and AI/ML/GenAI products. As a solution architect in analytics, I have delivered multiple IT Analytics transformation proposals for CPG (Consumer Packaged Goods). I am a post graduate in AI/ML and have a masters in business administration. I am proficient in Python, Tableau, and SQL.

Experience

Capgemini

Manager

October 2025 - Present (2 months)

Chennai, Tamil Nadu, India

Data Analytics and AI - Manage end to end data analytics and AI transformation projects

Tata Consultancy Services

7 years 4 months

AI/GenAI/ML Consultant

August 2021 - October 2025 (4 years 3 months)

India

- Led end to end process and workflow automation in Insurance processes, by leveraging Agentic AI /Gen AI thereby reducing processing time and increasing the CSAT by 50%.
- Created AS-IS process flow by coordinating with Customer and Customer engagement team for Insurance products such as Bonds and Individual Pension.

- Created TO-BE process flow, by identifying the use cases for Agentic AI, LLM, OCR, Frontier model (ChatGPT, Claude), Open Source (LLAMA, QWEN) thereby increasing process efficiency by 80%.
- Identified use cases for leveraging machine learning models such as Random Forest, KNN, SVM in pensions processing.
- Prepared business case document highlighting the business benefits, costing and ROI (Return on Investments) for AI implementation
- Created Business requirement document and Functional specification documents based on the use cases identified.
- Prepared detailed costing structure for AI models automation, including infrastructure cost (AWS, Azure), implementation cost, maintenance cost.
- Coordinated with stakeholders in creating roadmap for AI projects, highlighting the timeline of implementation of each feature.
- Strong understanding of Digital Pensions/Insurance domain.

Other Roles and Responsibilities:

- Requirement Gathering, Analysis, and Design: Conduct stakeholder meetings, gap analysis, create process maps, interactive prototypes, and requirement documents to validate feasibility and align with business needs.
- Project Coordination and Testing: Manage collaboration with development and testing teams, decompose features into actionable tasks and stories using Jira, drive status meetings, and perform UAT on model performance and alignment.
- Stakeholder Coordination: Collaboration with engineering and UX teams to define prototypes, user journeys, prioritize features, and ensure seamless product delivery.
- Release Planning and Deployment: Coordination with DevOps team for AI model deployment and releases.

Senior Business Analyst

July 2020 - July 2021 (1 year 1 month)

India

Projects:

- Designed a predictive model supervised learning model using KNN (K-Nearest neighbor) to forecast skincare product demand segmented by product, country and customers.
- Built predictive analytics models to forecast skincare product demand segmented by product, country and customers and optimize inventory levels by 10%

- Designed dynamic Tableau dashboards to visualize KPIs, including sales growth, market share, and customer retention.
- Conducted data validation and root cause analysis to ensure accuracy in daily and monthly reporting of sales
- Collaborated with leadership to align analytics insights with strategic marketing objectives.

Other Roles and Responsibilities:

- Data Requirements and Documentation: Elicit and prioritize data requirements using MoSCoW, create detailed business and functional specification documents.
- Reporting: Captured key KPIs and attributes for monthly sales forecast segmented by country and product for reporting purposes. Leverage tools such as Tableau and Python to report the forecasted data

Presales Solution Architect - Analytics & AI

July 2018 - July 2020 (2 years 1 month)

India

- Delivered IT transformation roadmaps and solution proposals (RFP/RFQ), showcasing Analytics and AI/ML tools and offerings to enhance operational efficiency for CPG customers.
- Handled multiple AI/ML/GenAI solution proposals. Developed and presented multi-layered AI/ML architecture and roadmaps to customers.
- Proposed and delivered 50% increase in processing efficiency for a major food and beverage company through workflow automation using RPA.
- Proposed multiple automation tools such as FAQ chatbots and event monitoring analytics tools such as AppDynamics and Ignio for CPG customers.

Cognizant

Senior Developer - Insurance

August 2012 - March 2017 (4 years 8 months)

Bengaluru Area, India

- Developed web applications for Insurance (P&C) using SQL, C#.net., focusing on improving usability and scalability.
- Proofs of concept (POCs) for business requirements, identifying automation opportunities for efficient implementation
- Led a team of five, coordinating with customers to deliver impactful solutions on insurance business processes.

Education

Great Learning

Post Graduate Program, Artificial Intelligence / Machine Learning · (December 2023 - December 2024)

Great Lakes Institute of Management

PGPM, Operations and IT · (June 2017 - July 2018)

Sri Venkateswara College of Engineering

Bachelor of Engineering, Electrical and Electronics Engineering · (2008 - 2012)

S.B.O.A School & Junior College

Mathematics, Physics, Chemistry and Computer Science · (2006 - 2008)

SBOA School and Junior College

· (2000 - 2006)