

CHANDRAMOULI DAS

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PROFESSIONAL SUMMARY

Experienced **Lead Data Scientist** with 7+ years of expertise in **Agentic AI, Generative AI, LLMs, Machine Learning, and Enterprise AI Automation**. Proven track record of architecting scalable multi-agent systems, workflow automation platforms, and AI-driven products across Meta, BFSI, HR Tech, and Risk domains.

EXPERIENCE

- Lead Data Scientist – Agentic AI** | Wipro Limited (Client: Meta - ODC)

Dec 2025 – Present

 - Architecting and scaling **agentic AI systems** for Meta’s enterprise workflows using internal platforms (**Nexus Runbooks, Agentic Workflow Builder, Dumont**) built on **Hack**, enabling autonomous execution, orchestration, and large-scale decision-making.
 - Designing **multi-agent architectures** leveraging Meta’s ecosystem (**Claude-based agents, Eva, DevMate**) with tool integration, memory, and reasoning to automate complex workflows and support systems.
 - Driving end-to-end **GenAI product delivery**, partnering with **business stakeholders**, product teams, and engineering leaders to define requirements, prioritize use cases, and deliver **production-grade Agentic AI solutions**.
- Senior Data Scientist - Generative AI** | Gramener - A Straive Company

Mar 2025 – Nov 2025

 - Building scalable **Agentic RAG** pipelines for LexisNexis Risk projects using **Large Language Models (LLMs), retrieval techniques**, and **knowledge graph** integration.
 - Developing **LLM-based** insurance analytics chatbot for Axis MaxLife using **multi-agent architectures, fine-tuning**, and **LangGraph** orchestration.
 - Leading cross-functional delivery of enterprise **LLM** solutions, translating business requirements into scalable AI products and driving successful project execution from ideation to deployment.
- AI/ML Solution Architect** | Proxima Systems

Sep 2024 – Mar 2025

 - Managed a team of 3 engineers while leading the architecture and delivery of **GenAI-based RAG** systems and **Agentic AI** solutions, partnering with business stakeholders to define requirements, prioritize deliverables, customer adoption.
 - Hands-on development with **LLMs, Transformers, Vector Databases**, and orchestration frameworks like **LangChain**.
 - Spearheaded **model design, training, evaluation**, and **production-grade deployment** on **AWS** cloud infrastructure.
- Data Scientist** | Highradius Corporation

June 2021 – Aug 2024

 - Led and mentored a team of 10+ Data Scientists and ML Engineers, driving project planning, stakeholder communication, technical reviews, and successful delivery of **FinTech AI products**.
 - Built and maintained scalable **ML pipelines**, trained custom **deep learning** models, and deployed solutions on **AWS SageMaker** and **Azure ML**.
 - Worked on **model monitoring, performance tuning**, and **CI/CD** integration for production **AI** systems.
- Technical Assistant** | KIIT University

June 2019 – May 2021

 - Conducted **ML** and **DL** research with a focus on **Natural Language Processing (NLP), Transformer-based models**, and **supervised learning**.
 - Instructed lab sessions on **Python, machine learning**, and **LLM-based** applications for B.Tech students.

EDUCATION

Kalinga Institute of Industrial Technology	M.Tech., Computer Engineering - Data Science GPA: 9.06	2019 – 2021
International Institute of Information Technology - IIIT-B	PG Certification, Machine and Deep Learning	2020 – 2021
Bengal Institute of Technology	B.Tech., Computer Science and Engineering GPA: 7.8	2015 – 2019

PROJECTS

- AWB Runbook Automation - Nexus Tools** | Llama 4, Nexus Runbook, Agentic Workflow Builder, Sapling

 - Leading the design and delivery of Agentic AI and Generative AI solutions by developing MCP-compatible tools, multi-agent orchestration workflows, and enterprise automation systems using Meta Nexus Runbook, AWB, and MetaClaw, enabling autonomous task execution, workflow optimization, business process automation, and scalable AI-powered operations through advanced agent orchestration and tool-calling frameworks.
- People Data Review - Agentic Execution** | GPT-4.1 Mini, Agentic AI, Multi-Agent Workflows

 - Architected and delivered an Agentic AI-based People Data Review (PDR) automation solution using GPT-4.1 Mini, tool orchestration, and parallel workflow execution to automate 160+ compliance and risk assessment questions. Implemented section-aware reasoning to reduce hallucinations by 70%, achieving 99% groundedness and 80% correctness, while reducing questionnaire completion time from 30–40 hours to under 40 seconds and enabling end-to-end risk assessment in under 10 minutes with human-in-the-loop validation.
- Offer Letter Quality Analysis - Agentic Execution** | Llama 4 Maverick, Meta Infrastructure

 - Architected and delivered an AI-powered Offer Letter QA platform using multimodal LLMs (Llama 4 Maverick), prompt-engineered validation workflows, and machine learning-based decisioning to automate visual and content review of recruiting offer letters. Implemented Visual QA for document formatting compliance and Text QA for candidate attribute, compensation, date, and legal clause validation, enabling real-time discrepancy detection and automated approval recommendations, significantly reducing manual review effort and improving quality assurance at scale.
- Axis MaxLife Chatbot - Agentic SQL Analytics** | GPT-4o, LangGraph, Gen AI Solutions

- Leading development of an AI-powered, agentic SQL chatbot using LangGraph for multi-step reasoning and workflow orchestration, leveraging GPT-4o for accurate Text-to-SQL generation over Redshift, enabling contextual conversations, anomaly detection, and personalized insights with memory-driven interactions to support scalable, real-time analytics and business decision-making.

Lead Generation from Obituary Website | *GPT-4o, Gen AI Solutions*

- Designed and developed a GenAI-driven pipeline leveraging GPT-4o to extract and structure obituary data, generate contextual service use cases (e.g., elderly assistance, funeral services, mortgage settlement), and identify potential leads with contact details, enabling automated lead qualification, reporting, and seamless handoff to marketing teams for targeted outreach.

LNR Risk LexusNexus - Document Intelligence Pipeline | *GPT-4o, OCR, Gen AI Solutions*

- Leading development of an end-to-end OCR and Generative AI-driven document processing pipeline leveraging GPT-4o via LLMFoundry to extract, classify, and summarize legal documents (identity records, complaints, notices), supporting bulk and real-time processing with structured outputs, validation layers, and secure handling, enabling scalable, high-accuracy document intelligence and faster decision-making.

Sherlock GPT - Text to SQL | *GPT-4o, ML Models, Gen AI Solutions*

- Prompt Enhancement leverages GPT-4o for context-aware prompt optimization to improve Text-to-SQL accuracy, ensuring schema adherence, precise column selection, and robust query generation across heterogeneous sources (AWS Athena, PostgreSQL) with validation and iterative refinement for production-grade reliability.

HR Document WhatsApp Bot | *RAG, LLMs, Meta Business API, AWS S3*

- Developed an AI-powered WhatsApp assistant enabling users to upload and query HR policy documents using Retrieval-Augmented Generation (RAG) techniques. Integrated with Meta Business Account for real-time messaging and optimized for secure document handling and cost-efficient storage with AWS S3.

JIRA Ticket Classification | *GPT-4o, NLP, ML Automation, JIRA APIs*

- Built an AI-driven system that auto-categorizes JIRA tickets by priority, type, and issue category using NLP and GPT-4o-based classification models. Enhanced ticket triaging and resource allocation through seamless JIRA API integration, improving workflow efficiency and response times.

Automated PH - HR Domain Product | *RAG-based Model, Vector Databases*

- Developed a RAG-based model leveraging vector databases, showcasing expertise in end-to-end ML deployment and predictive analytics. Created an unbiased, data-driven employee life cycle management system, driving innovation in workflow automation.

Automated Custom Prompting Extraction - Cashapp Domain | *Gen AI, GPT-4 Turbo*

- Utilized a Gen AI approach with GPT-4 Turbo for entity extraction, aligning with the design of industry-specific AI/ML solutions. Developed a data-driven employee life cycle management system, contributing to the scaling of Data Science practice.

OTHER PROJECTS

Zoom Call Summarization | *LLaMA, Meeting Transcript Analysis, Summarization Automation*

Block Order Release Recommendation - Credit Domain | *Highradius Credit Product*

Proactive Block Order Prediction - Credit Domain | *ML Algorithms, End-to-End Deployment*

Deduction Validity Predictor - Deduction Domain | *Machine Learning, Statistical Analysis*

Payment Date Prediction - Accounts Receivable | *Machine Learning, Cash Flow Forecasting*

CAC Optimizer - Deep Optimization Approach | *ML Algorithms, Predictive Analytics*

Stock Market Prediction - LSTM Approach | *LSTM Models, ML Models*

CERTIFICATIONS

PCAP™ – Certified Associate Python Programmer | *OpenEdge Python Institute*

December 2023

Machine Learning Specialization - IIT Roorkee

Jan - Aug 2020

Google IT Automation with Python - Professional Certificate

Jul - Nov 2020

Google It Support - Professional Certificate

Feb - Jul 2020

TECHNICAL SKILLS

Languages : Python, SQL

GenAI & Agentic AI : GPT-4o, GPT-4.1, Llama 4, LangChain, LangGraph, MCP, RAG, Multi-Agent Systems, Prompt Engineering

AI/ML : Machine Learning, Deep Learning, NLP, Computer Vision, XGBoost, Predictive Analytics

Cloud & Deployment : AWS, Azure OpenAI, FastAPI, REST APIs, Docker, Kubernetes

Tools : Git, JIRA, Postman, Pinecone, ChromaDB, FAISS

Interests : Computer Gaming , Artificial Intelligence , Music , Stock Market , Long Rides