

Agentic AI | LLM Systems | Enterprise Analytics

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Senior Data Scientist with close to a decade of cross-industry experience architecting enterprise AI/ML solutions, agentic pipelines, LLM-integrated data products, production analytics platforms, MLOps workflows, and scalable automation systems for BFSI and technology clients.

SELECTED IMPACT

- Built and standardized KNIME enterprise infrastructure for 100+ concurrent workflows within CI/CD pipelines.
- Led cross-functional teams of 10 developers and QAs through production delivery and platform modernization.
- Reduced server processing time by approximately 32% and storage usage by approximately 15%, producing 2.5x infrastructure cost savings.
- Improved delivery success by 19% across 200+ Amazon delivery stations through SQL, BI, AWS Redshift, and S3 automation.
- Delivered 50+ monthly financial reports within SLA through production data processing and reporting automation.

EXPERIENCE

Senior Data Scientist IBM	May 2026 - Present Pune, India
- Architect enterprise AI/ML solutions, agentic pipelines, and LLM-integrated data products for Fortune 500 clients across BFSI and technology sectors. - Lead client-facing engagements spanning model development, feature engineering, MLOps, model governance, and production deployment.	
Head of Technology (Advisory) Chiestra Racehorse Business Consultancy	Jan 2026 - Present Remote, India
- Define technology roadmaps across data infrastructure, analytics, workflow automation, and decision-support systems. - Advise on AI-assisted scouting, valuation, scenario modelling, and audit-ready operational records.	
Senior Manager, Customer Success Analytics Quaeris Labs	Oct 2025 - May 2026 Remote, India
- Architected agentic pipelines, LLM/SLM integrations, omni-channel NLP feedback platforms, semantic layers, and benchmark QA suites. - Led solution delivery across Python automation, cloud infrastructure, team management, onboarding, and client enablement.	
Technology Lead Infosys	Jul 2023 - Oct 2025 Remote, India
- Designed and standardized KNIME-Python enterprise infrastructure for 100+ concurrent workflows within CI/CD pipelines. - Managed 10 developers and QAs, reduced processing time by approximately 32%, and delivered 2.5x infrastructure cost savings.	
Senior Data Engineer LTIMindtree	May 2022 - Apr 2023 Kolkata, India
- Managed production support and automated data processing pipelines delivering 50+ monthly financial reports within SLA. - Led migration of legacy workbooks and databases into KNIME-Tableau compatible solutions.	
Senior Manager, Business Intelligence Jana Small Finance Bank	Aug 2021 - Apr 2022 Bangalore, India
- Migrated legacy Alteryx, Cognos, and manual Excel reporting to automated KNIME-Python-SQL workflows. - Built scheduled reporting and analytics systems that contributed to 13% business growth in key regions.	
Senior Consultant / Quality Specialist CypherTech and Amazon	Jul 2016 - Aug 2021 India
- Built KNIME-Python automation, web scraping, NLP classification, and defect analytics workflows for client initiatives. - Improved Amazon delivery success by 19% across 200+ stations using SQL, BI dashboards, Excel-VBA, Redshift, and S3.	

AI and ML Python, pandas, scikit-learn, transformers, LangChain, Llama, GPT, OpenAI, RAG, prompt engineering

Data and cloud SQL, pyarrow, AWS, Azure, Redshift, S3, Athena, data engineering, MLOps

Enterprise platforms KNIME, Alteryx Designer, Appian, Tableau, Power BI, Cognos, Power Query, DAX, VBA

Engineering operations TypeScript, JavaScript, Jenkins, Jira, Bitbucket, CI/CD, production delivery, technical leadership

EDUCATION

MSc, Financial Engineering	WorldQuant University	2024 - 2026
Minors in AI and ML	IIT Mandi	2025 - 2026
PGDM, Management	IIM Kashipur	2025 - Present
PGP, Data Science and Analytics	Great Lakes Institute of Management	2019 - 2020
BTech	Seacom Engineering College	2012 - 2016

SELECTED CERTIFICATIONS

- KNIME Certified Data Scientist (2025)
- IBM Generative and Agentic AI Data Engineer (2026)
- IBM Generative and Agentic AI Foundation
- Lean Six Sigma Black Belt - CSSC (2026)
- Alteryx Designer Advanced Certification
- Google Project Management Professional Certificate
- ISC2 Candidate

SELECTED PROJECTS AND LINKS

- Obsidex - AI-powered research and knowledge workflow platform.
- FileX - secure document intelligence and automation workflow.
- Portfolio case studies and publications: gauravchakraborty.org
- LinkedIn: linkedin.com/in/thegauravchakraborty | GitHub: github.com/gaurav-chakraborty

AWARDS

- RISE Award (2025)
- REAP Award (2025)
- INSTA Award (2024)
- All Day Everyday Award
- Spotlight Award