

# PRAKHAR SRIVASTAVA

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## PROFESSIONAL SUMMARY

Senior AI/ML Engineer with 6+ years driving business transformation through innovative data solutions and production-scale ML systems. Expert in LLM/RAG implementations, reducing operational costs by 30-80% across Fortune 500 clients. Proven track record architecting enterprise AI solutions, leading cross-functional teams, and deploying ML models serving millions of predictions daily on AWS and Kubernetes.

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## PROFESSIONAL EXPERIENCE

### *Senior Consultant | StatusNeo (July 2023 - Present)*

- **Architected enterprise RAG system** using GPT-4 and Milvus vector database on Kubernetes, processing 50K+ incidents monthly with 95% accuracy, reducing incident resolution time by 80% and saving client \$2M annually
- **Deployed Multi-Agent AI system** using Anthropic's Model Context Protocol (MCP) for autonomous IT operations, orchestrating 5 specialized agents (incident triage, root cause analysis, solution recommendation, execution, validation) handling 1000+ daily tasks with 90% automation rate
- **Built production-scale Agentic AI platform** using LangGraph and Claude-3 for intelligent document processing, enabling autonomous extraction, validation, and processing of 100K+ financial documents monthly with human-in-the-loop approval workflows
- **Spearheaded HRIS AI platform** for Fortune 500 client with 100K+ employees, implementing T5-based classification system achieving 92% prediction accuracy and reducing HR processing time by 65%
- **Designed scalable microservices architecture** with Neo4j graph database and PostgreSQL, handling 1M+ API calls daily with 99.9% uptime SLA
- **Built end-to-end MLOps pipeline** using Airflow and Kubernetes, automating model training, validation, and deployment, reducing release cycles from weeks to hours
- **Led 8-member cross-functional team** in Agile/Scrum environment, mentoring 3 junior engineers and presenting technical solutions to C-suite executives

### *Senior Data Engineer | Sprighub (October 2022 - July 2023)*

- **Architected cloud-native ETL pipeline** on AWS using Glue, Databricks, and PySpark, processing 10TB+ daily data for real-time marketing analytics
- **Optimized PySpark jobs and AWS Glue workflows**, reducing runtime by 40% and cutting infrastructure costs by 30% (\$150K annual savings)
- **Automated data quality monitoring** using Great Expectations and Airflow, achieving 99.5% data accuracy and reducing manual interventions by 75%

## ***Data Scientist | KodeTiger (March 2019 - February 2022)***

- **Deployed document intelligence system** using AWS Textract and custom ML models, extracting financial data from 100K+ mortgage documents with 94% accuracy
- **Built BERT-based content moderation system** for social media platform with 10M+ users, reducing harmful content by 85% and manual review workload by 70%
- **Developed real-time fraud detection model** using XGBoost and FastAPI, processing 50K transactions/minute and preventing \$5M in fraudulent activities

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## **TECHNICAL SKILLS**

**AI/ML & NLP:** LLMs (GPT-4, T5, BERT), RAG Architecture, Vector Databases, Agentic AI, MCP, PyTorch, Transformers, Hugging Face, LangChain, Prompt Engineering, Fine-tuning, MLOps  
**Data Engineering:** PySpark, Databricks, AWS Glue, Apache Airflow, ETL/ELT, Redshift, Athena, Data Lakehouse Architecture  
**Cloud & DevOps:** AWS (EC2, Lambda, SageMaker, EKS), Kubernetes, Docker, CI/CD  
**Databases:** PostgreSQL, Neo4j Graph DB, MongoDB, Vector DB, Redis, SQL/NoSQL  
**Languages & Tools:** Python, SQL, Scala, FastAPI, Flask, JIRA, Confluence, Git

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## **CERTIFICATIONS**

- AWS Certified Machine Learning - Specialty (2023)
- AWS Certified Solutions Architect - Associate (2022)
- Databricks Certified Associate Developer for Apache Spark (2023)
- Certified Scrum Master (CSM) - Scrum Alliance (2021)
- Tableau Desktop Specialist (2022)

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## **EDUCATION**

**Institute of Actuaries of India** - Mumbai (2007 - 2008)

Actuarial Sciences • Cleared 3 papers: Actuarial Statistics, Business Economics, Business Finance

**Marine Engineering & Research Institute (MERI)** - Kolkata (1997 - 2001)

B.E. Marine Engineering • Selected through IIT-JEE 1997 (Rank: 4430)

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