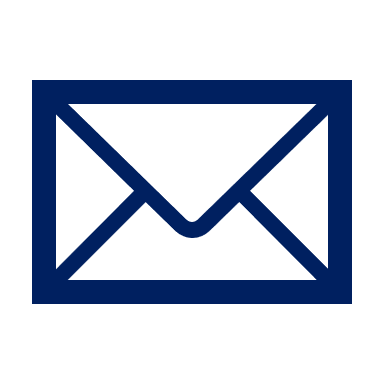
GUNJAN SARKAR

Technical Lead and Data Scientist with extensive experience in Machine Learning, Deep Learning, LLMs, and Generative AI, along with strong proficiency in web development using HTML, CSS, JavaScript, ReactJS, and ExpressJS



Gurgaon, India +91- 863-7576-304 [Gunjan37@hotmail.com](mailto:Gunjan37@hotmail.com) [LinkedIn](http://www.linkedin.com/in/gunjansarkar) [GitHub](https://github.com/GunjanGrunge) [Kaggle](https://www.kaggle.com/gunjangrunge)

|  |  |
| --- | --- |
| Business Growth | EXPERIENCE |

**Technical Lead** | **NOUS Infosystems**

July2024, **Remote**

* Developed a PDF data extraction system using LLMs to calculate risk scores and policy prices, with real-time updates and integration into models for risk and premium calculation. Switched from LightGBM and XGBoost to ANN for better performance. Deployed a FastAPI on Docker ECS with models stored in S3 for real-time UI integration.
* Built a POC for an insurance firm using a RAG approach to extract key details, amounts, and clauses from policy slips, handling complex logic.

***Tools/Packages used: Python, FastAPI, LangChain, AWS, ECS, S3, API Integration, ANN, XGBoost, LightGBM, Docker***

**Data Engineering Lead** | **M&C Saatchi Performance**

Mar 2024 – July2024, **Delhi**

* Developed and managed data quality check pipelines to analyze variations in datasets, including minimum, maximum, and standard deviation metrics. Conducted data profiling by categorizing and sub-categorizing data. Worked on setting up infrastructure for LLM-based applications to support AI initiatives

***Tools/Packages used: MS SQL Server, Python, Excel, Lang chain, AWS Redshift, S3***

**ASSISTANT MANAGER** | **GENPACT**

May 2022 – March2024, **Gurgaon**

* Automated Excel reporting using Python to streamline business processes, eliminating manual intervention and improving accuracy.
* Optimized model performance by reducing runtime from 6 to 20 minutes using PCA, and improving OLS model accuracy from 91% to 92%.
* Developed an internal tool with ReactJS for training machine learning models and assessing data quality
* Built a chatbot using RAG model for dynamic policy document research, updating context with policy changes
* Created a chatbot with GenAI and LLMs to interact with dashboards, generate SQL queries, and transform data

***Tools/Packages used: MS SQL Server, Python, ReactJS, OpenCV, Node.js, Azure OpenAI, LLM, LangChain, GenAI, AWS***

**SENIOR ANALYST** | **LIFEWORKS**

July 2021 – May 2022 **Gurgaon**

* Automate reporting process using Power BI: Automation data with power bi using python.
* Visualization for Weekly/Monthly/Quarterly reports.
* UI development using Power Apps, Power Automate
* Policy Summarization model for the client using NLP and deployed in Power Apps

***Tools/Packages used: MS SQL, Python, Power Bi, Excel, Power Apps.***

**SENIOR ANALYST** | **AMERICAN EXPRESS**

July 2019 – Feb 2021, **Gurgaon**

* ETL using SQL, Excel, Python.
* Root cause analysis and research.
* Published dashboards based on analysis.
* Present findings, forecasting, recommendations.

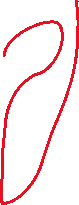
***Tools/Packages used: SQL, Python, Excel, Access, Power Point.***

**ANALYST** | **ACCENTURE**

April 2015 – June 2019, **Mumbai**

* Aligned Under Google Projects (Google Play, YouTube, Project-Fi, Google Pay and Google Cloud)
* Developed smart, compelling dashboards and reports to track KPIs and trends using excel, power point.
* Implement cost saving measures & business optimization post analysis.

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**ACADEMIC**

**MASTERS**:

**Masters in Computer Application** | **AMITY UNIVERSITY**

Dec 2025, **Delhi**

**SPECIALIZATION IN MACHINE LEARNING AND ARTIFICIAL INTELLIGENCE**

**POST-GRADUATION**:

**AI / MACHINE LEARNING** | **GREAT LAKES & TEXAS McCombs, THE UNIVERSITY OF TEXAS**

Feb 2021 – Feb 2022, **Gurgaon**

**MACHINE LEARNING:**

**SUPERVISED LEARNING | UNSUPERVISED LEARNING | ENSEMBLE TECHNIQUES** | **FEATURIZATION |**

**MODEL SELECTION & TUNING | RECOMMENDATION SYSTEMS.**

**DEEP LEARNING**:

**NEURAL NETWORKS | COMPUTER VISION | NATURAL LANGUAGE PROCESSING.**

**COURSE PROJECTS**: [*https://eportfolio.greatlearning.in/gunjan-sarkar*](https://eportfolio.greatlearning.in/gunjan-sarkar)

**CLOUD COMPUTING** | **GREAT LAKES**

Jul 2022 - May 2023, **Gurgaon**

**AMAZON WEB SERVICES (AWS):**

**CLOUD COMPUTING ON AWS | MANAGED SERVICES ON AWS | BIG DATA MANAGEMENT & ANALYTICS | CONTAINERS | MICROSERVICES**

**COURSE PROJECTS:** [*https://eportfolio.mygreatlearning.com/gunjan-sarkar2*](https://eportfolio.mygreatlearning.com/gunjan-sarkar2)