**YASH MESHRAM** Email**:** [**yashmeshram1@gmail.com**](mailto:yashmeshram1@gmail.com)

[**LinkedIn**](https://www.linkedin.com/in/yash-meshram-762357179) **|** [**GitHub**](https://github.com/yash-meshram) Contact No.**:** +91 xxxxxxxxxx

**SUMMARY**

AI/ML developer with hands-on experience building and deploying intelligent applications, including NLP pipelines, vector search, and end-to-end machine learning solutions. Skilled in integrating advanced tools like LangChain and ChromaDB to deliver impactful, business-driven results across diverse domains.

**PROJECTS**

[**Cold Email Generator**](https://github.com/yash-meshram/Cold-Email-Generator)

* Developed an AI-powered app for personalized cold email generation using Llama 3 8B Instant via Groq API.
* Automated job posting parsing and project matching with NLP pipelines and vector search (ChromaDB).
* Built a Streamlit UI and integrated LangChain for advanced language modeling and relevance scoring.

[**Bank Direct Marketing: Term Deposit Subscription Prediction**](https://github.com/yash-meshram/Bank-Direct-Marketing)

* Engineered a machine learning pipeline to predict term deposit subscriptions from complex data.
* Tackled class imbalance with advanced resampling and robust feature encoding.
* Achieved a cross-validated F1 score of 0.454 using CatBoostClassifier with hyperparameter tuning.

[**Insurance Premium Prediction**](https://github.com/yash-meshram/Insurance-Premium)

* Built an end-to-end regression solution for insurance premium prediction using LightGBM.
* Automated data preprocessing, feature engineering, and model evaluation for improved accuracy.
* Visualized feature importance and achieved a mean CV RMSLE of 1.0524.

**SKILLS**

* **Programming:** Python, SQL, C#
* **Visualization:** Tableau, Microsoft Power BI, Excel Charts, Jupyter Notebook
* **Frameworks/Libraries:**scikit-learn, TensorFlow, LightGBM, CatBoost, Pandas, NumPy, Matplotlib, etc.
* **Worked on:** Data Science, Data Analysis,Machine Learning, Computer Vision, Deep Learning, Angular, .NET.

**EXPERIENCE**

**HCLTech -** Technical Lead **Oct 2022 - Present**

* Working with projects in the service department, providing support for multiple applications.
* Proficiently work with .NET, SQL, and Excel to enhance application performance.
* Produce and deliver comprehensive analysis reports of the application to inform strategic decision-making for the executive team, utilizing advanced data analysis techniques and ensuring clear communication of key insights.

**CERTIFICATIONS**

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| --- | --- |
| * [Supervised Machine Learning](https://www.coursera.org/account/accomplishments/certificate/W4F4EO8GV7Y1) * [Fundamentals of Deep Learning](https://courses.nvidia.com/certificates/fc27e6170a754668ad34508e6a457711) * [Fundamentals of Visualization with Tableau](https://www.coursera.org/account/accomplishments/certificate/JQGBG33GHVLC) | * Advanced Learning Algorithms * [Intermediate SQL Queries](https://www.datacamp.com/completed/statement-of-accomplishment/course/264473edf8331ff511d6c7221b4f52b87b0a9994) * [Power BI: Data Analysis](https://codebasics.io/certificate/CB-49-171739) |

**EDUCATION**

**Indian Institute of Technology Gandhinagar**  **2018 - 2022**

Bachelor of Technology, Mechanical Engineering