# Viknesh

+91 7092076809 | jeyaviknesh@gmail.com | [linkedin](linkedin) |

## EDUCATION

| | |
|---|---|
| **Vel Tech Multi Tech Dr.Rangarajan Dr.Sakunthala Engineering College** | Avadi, Chennai |
| *Bachelor of Technology, Artificial Intelligence and Data Science* | *Sept. 2020 – June 2024* |
| **Sri Vijay Vidyalaya** | Hosur, Tamilnadu |
| *Intermediate* | *June 2018 – June 2020* |

## EXPERIENCE

**Software Developer** — June 2024 – Present
*Societe Generale* — *Bangalore*

- Maintained DQHub, an internal anomaly reporting tool used for data quality monitoring.
- Implemented KPI charts to visualize key metrics and improve data quality insights for stakeholders
- Handled production support tickets, ensuring timely resolution of issues and minimal downtime
- Collaborated with cross-functional teams to enhance tool functionality and user experience
- Fixed Sonar code quality issues to improve code maintainability and reduce technical debt

**Data Analyst Intern** — October 2021 – May 2022
*Ineuron.ai* — *Bangalore, IN*

- Worked on a real-world data analysis project, performing exploratory data analysis (EDA) and creating interactive dashboards
- Utilized tools like Power BI and Python libraries (Pandas, NumPy, Matplotlib) to visualize and analyze data
- Explored innovative ways to present data insights in a clear and actionable manner

## PROJECTS

**Text Summarization using Generative AI** | *Python, Hugging Face, Transformers*
- Built a text summarization model using Hugging Face's Transformers library and pre-trained models like GPT-3
- Fine-tuned the model on custom datasets to generate concise summaries of long documents
- Explored LangChain to integrate the model with external data sources for real-world applications

**Heart Disease Diagnostic Analysis** | *Python, Power BI, Pandas, NumPy, Matplotlib*
- Conducted exploratory data analysis (EDA) on a heart disease dataset with over 300 patient records and 14 clinical features.
- Performed data cleaning and applied EDA techniques to identify patterns and correlations between features
- Created visualizations and dashboards to communicate insights effectively

**Fraud Detection in Credit Card Transactions** | *Python, Scikit-learn, Pandas, NumPy, Matplotlib*
- Built a fraud detection system using machine learning to identify fraudulent credit card transactions
- Preprocessed and analyzed a highly imbalanced dataset containing transaction records using Pandas and NumPy
- Optimized the model using SMOTE (Synthetic Minority Oversampling Technique) to handle class imbalance and improve recall.

## TECHNICAL SKILLS

**Languages**: Python, Java, SQL, Javascript
**Frameworks**: Git, GitHub, Linux,Tensorflow, NumPy, Pandas, Hugging Face, LangChain
**Developer Tools**: Git, Docker, VS Code, Jupyter notebook , PyCharm, IntelliJ
**Libraries**: Machine Learning, Generative AI, Transformers, Prompt Engineering, Fine-Tuning LLMs

## TECHNICAL SKILLS

**Won 1st Prize in an Inter-College Hackathon for developing an innovative solution**
**Participated in the Internal Hackathon at Societe Generale, where I developed a payment prediction model as part of a team project**
**Conducted mentorship programs in college, guiding juniors on technical skills, career development, and project building**