

Viknesh

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EDUCATION

Vel Tech Multi Tech Dr.Rangarajan Dr.Sakunthala Engineering College

Bachelor of Technology, Artificial Intelligence and Data Science

Avadi, Chennai

Sept. 2020 – June 2024

Sri Vijay Vidyalaya

Intermediate

Hosur, Tamilnadu

June 2018 – June 2020

EXPERIENCE

Software Developer

Societe Generale

June 2020 – Present

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

Ineuron.ai

October 2021 – May 2022

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