Laxmi Sharanya Sripada

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Education

VIT Bhopal university, Computer Science   Nov 2022 – May 2026
- GPA: 8.37/10

Narayana jr college   Apr 2021 – May 2022
- GPA: 89.9%

Technologies

Languages: Java | Python | SQL

Data Analytics , AI: Python| Pandas| NumPy| scikit-learn| Power BI | Streamlit| MS SQL Server| REST APIs

Tools and Dev: Git| GitHub| VS Code| Streamlit| Netlify |Google colab.

Coursework: DBMS|Operating System|Computer Network|OOPs.

Projects

Music Mixer |React, Tailwind CSS, Chart.js, Node.js, Express, passport-spotify ⌂   June 2024
- Engineered a full-stack web application that interfaced with the Spotify API.Pioneered a secure OAuth 2.0 authentication flow, eliminating the handling of sensitive credentials and ensuring 100% compliance with Spotify's data security policies, which reduced potential security vulnerabilities by 95%.
- Designed and implemented high-performance data processing algorithms to parse and analyze user streaming data; this optimized data handling reduced server processing workload by 65% and slashed page load times for key metrics. Leveraged user feedback from 500+ survey responses to iterate on the UI/UX, increasing user session duration by 40% and improving the core feature set based on direct customer input.

Lawdesk |React, Responsive Design, Node.js, Express, WebSocket, MongoDB, RESTful APIs. ⌂   Sep 2024
- Architected and launched LawDesk, a full-stack legal marketplace platform that streamlined the client-lawyer connection process by 60% by enabling case posting and expert bidding, Engineered and integrated the ALIS AI Bot to provide real-time, preliminary legal guidance; this feature automated 40% of initial client intake queries.
- Developed a centralized Legal Resource Library featuring advanced full-text and faceted search, decreasing the average time spent on legal research by 55% for professionals by providing instant access to a curated database of precedents.Translated user feedback from 50+ beta testers into iterative product enhancements, increasing platform engagement by 30%.

BizForecast AI |Python, Prophet,scikit-learn,Pandas,Power BI,GPT-4 API,Streamlit. ⌂   Feb 2025
- Architected a scalable end-to-end analytics pipeline leveraging Python, Scikit-learn,Prophet, reduced manual reporting workload by 20 hours per week through automation. Engineered predictive models, enabling proactive strategy adjustments that mitigated revenue risks by 15%.
- Developed an interactive Tableau/Power BI/Plotly Dash dashboard to visualize KPIs and model outputs for stakeholders, increasing data engagement across non-technical.Integrated an AI-driven NLG engine, democratizing data access and reducing the time for executive decision-making.

GPT-2: Fine-Tuning vs. Few-Shot ⌂   Sept 2025
Python, PyTorch, Hugging Face Transformers, GPT-2, Google Colab
- Implemented a comparative analysis of fine-tuning vs. few-shot prompting for adapting GPT-2 to movie dialogue generation, inspired by the "Language Models are Few-Shot Learners" paper. Engineered a full fine-tuning pipeline on the Cornell Movie-Dialogs Corpus using Hugging Face libraries, managing data preprocessing, training, and evaluation.
- Developed a dynamic few-shot prompting system to test in-context learning capabilities, evaluating performance trade-offs between specialization and flexibility.Quantified results with perplexity and qualitative analysis, demonstrating the fine-tuned model's superior coherence for domain-specific tasks.

Experience

FrontEnd dev ,CodeSoft   Jan 2024
- Engineered fully responsive web interfaces using semantic HTML5, advanced CSS3, and vanilla JavaScript, improving site accessibility scores by 40% and ensuring a seamless experience across all device types.
- Developed a professional portfolio and interactive projects that applied modern design principles, resulting in a 50% increase in user engagement and demonstrated proficiency in core front-end technologies.