

YELLARAM SHIVALEELA

Bachelors of Computer Applications (BCA)

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CAREER OBJECTIVE

Aspiring AI & Machine Learning professional with a strong foundation in data science, neural networks, and generative models, seeking an entry-level role to apply and expand technical skills in solving real-world problems. Eager to contribute to innovative AI-driven solutions and grow within a dynamic and forward-thinking organization.

EDUCATION

- Siddhartha Degree & PG College | 2022-2025 | BCA | 81%
- Pragati Junior College | 2020-2022 | Class XII | 69%
- Sri Saraswathi Shishu Mandir | 2019-2020 | Class X | 10 GPA

TECHNICAL SKILLS

- Programming Languages: Python, Data Science with Gen AI
- Data Analysis & Visualization: Pandas, NumPy, Matplotlib, Seaborn, Plotly
- Machine Learning: Supervised & Unsupervised Learning, Scikit-learn, Model Training & Evaluation
- Deep Learning: Neural Networks, TensorFlow, Keras
- Generative AI: LLMs (GPT, Gemini), Prompt Engineering, LangChain, Hugging Face Transformers, Diffusers, Streamlit
- Natural Language Processing (NLP): Text Preprocessing, Text Summarization
- Tools & IDEs: Jupyter Notebook, Google Colab, Visual Studio Code

INTERNSHIP PROJECTS (at SYNTAX MINDS LTD.)

1. Chatbot using Streamlit and LangChain

Technology: Python, Streamlit, LangChain, Google Gemini 2.0 Flash, NLP

- Developed a text-based **chatbot** using LangChain & Google Gemini 2.0 Flash for **AI-powered conversational responses**
- Implemented structured **prompt templates** to maintain consistent chat flow & **improve dialogue coherence**
- Used **StrOutputParser** to extract model outputs and display them in a **user-friendly** format
- Built a **responsive front-end** interface using Streamlit for **real-time interaction** with users
- Designed chatbot with **LLM integration**, using NLP to enhance intent recognition, contextual accuracy & response relevance
- Ensured smooth **real-time communication** between user interface and LLM backend for fast and reliable responses
- Implemented **environment variable security** using **python-dotenv** for safe API key handling & deployment

2. AI Image Generator Web App

Technology: Python, Streamlit, Stable Diffusion, Diffusers, Torch, PIL

- Developed a **web-based app** using Streamlit for generating high-quality images from text prompts using **Stable Diffusion**
- Integrated Diffusers with PyTorch (CUDA) for **GPU acceleration** and used secure **API key handling** with **LLMs**
- Implemented **custom UI components** to allow users to select aspect ratio, sampling steps, seed, and CFG scale
- Enabled image preview and download with an **intuitive interface** and **interactive controls**

3. Customer Churn Analysis

Technology: Python, Pandas, NumPy, Logistic Regression, Random Forest, XGBoost, Streamlit

- Performed **data analysis** and **preprocessing** using Python libraries such as **Pandas and NumPy**
- Built and **optimized classification models** including Logistic Regression, Random Forest, and **XGBoost** for **churn prediction**
- Applied **feature engineering** and selection techniques to enhance model accuracy and **performance**
- **Evaluated** model performance using metrics such as accuracy, **F1 score, and ROC-AUC**
- Created **data visualizations** using **Matplotlib, Seaborn, and Streamlit** for stakeholder reporting

OTHER

- Led the team to victory in Kho-kho match (2024)

ACHIEVEMENTS

- Secured 3rd prize in Badminton, Kshetreeya Sports & Games (2019)

- Participated in multiple singing & dancing events at Chiguru

- Participated in Folk Singing organized by Bharat Vikas Parishad (NSGSC)