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SRAVANI BALGURI

EDUCATION

- **ARIZONA STATE UNIVERSITY**, *Phoenix, AZ*
  Master of Science, Information Technology, GPA: 4.0   Jan 2024 – Dec 2025
- **ST. MARTIN's ENGINEERING COLLEGE**, *Hyderabad, India*
  Bachelor of Technology, Electronics and Communication Engineering, GPA: 3.8   Aug 2019 – May 2023

SKILLS

Programming Languages: Python, JavaScript

Web & Frameworks: Node.js, React, Flask, REST APIs

AI/LLM Tools: OpenAI API, Lang Chain, RAG

Databases: Pinecone, SQL, MongoDB

Data/ML: Pandas, NumPy, Scikit-learn

Data Visualization: Tableau, Matplotlib, Seaborn, Dashboard Design

INTERNSHIP

SOFTWARE DEVELOPER INTERN, SMARTBRIDGE   Jun 2023 – Nov 2023

- Developed a machine learning–based chronic kidney disease (CKD) prediction system, achieving 98% classification accuracy through data preprocessing, feature engineering, and model optimization.
- Performed data cleaning, missing value imputation, normalization, and exploratory data analysis (EDA) on healthcare datasets to improve model reliability and interpretability.
- Built an end-to-end ML pipeline from dataset ingestion to prediction, enabling early disease detection insights to support clinical decision-making.
- Documented model results and insights, translating technical findings into clear, actionable outcomes for non-technical stakeholders.

PROJECTS

Insight AI – Document-Aware Knowledge Assistant

Tech Stack: Lang Chain | Hugging Face | Gemma | Streamlit

- Built an enterprise-grade LLM assistant enabling PDF and document querying via natural language interaction and contextual summaries.
- Integrated vector-database retrieval with Pinecone to support RAG-based answers, boosting context accuracy by 40% compared to baseline.
- Designed chat memory and citation tracking for transparent responses and multi-turn conversations.

CineGPT – AI-Powered Movie Recommendation Chatbot

Tech Stack: Node.js | React | Hugging Face | LangChain | TMDB API

- Developed an intelligent movie-recommendation assistant combining TMDB data with LLM-based reasoning to deliver personalized suggestions in real time.
- Implemented RAG pipeline using LangChain for semantic search and context retrieval, improving result relevance by 2×.
- Built conversational UI allowing natural-language movie queries and chat-based navigation through showtimes and reviews.

Gaming Survey Dashboard

Tech Stack: Python (Pandas, Matplotlib, Seaborn) | Tableau

- Analyzed a 2024 gaming survey dataset (500+ respondents, 22 attributes) to uncover player behavior, spending patterns, and platform preferences across demographics.
- Built an interactive Tableau dashboard with dynamic filters (age, gender, device) to enable insight exploration for non-technical stakeholders.
- Developed Python-based data preprocessing pipelines to clean, transform, and structure raw survey data for analysis.
- Identified key monetization and engagement trends, including a strong correlation between weekly playtime and in-game spending, with higher spend among gamers aged 30+.

CERTIFICATIONS

- AWS Certified Developer in Machine Learning Solutions
- AWS Certified in Essentials of Prompt Engineering