Swetha S

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EDUCATION

Panimalar Institute of Technology   Chennai, India
Bachelor of Technology - Artificial Intelligence & Data Science   *Jul 2020 - Jun 2024*

SKILLS

Languages:	Python, SQL, HTML, CSS
Technical Skills:	Data Analytics, Machine Learning, Power BI, Basics of Cloud Computing
CS Fundamentals:	Object-Oriented Programming, Database Management
Database:	SQL, MySQL, PostgreSQL
Soft Skills:	Communication, Analytical, Flexibility, Teamwork, Collaboration, Leadership

EXPERIENCE

Data Scientist Intern   Apr 2024 - Jun 2024
Datamoo.ai   *Chennai, India*

- Engineered and implemented various web pages using Django, enhancing page load times by 40% through efficient rendering of dynamic content.
- Refined and optimized multiple machine learning models, significantly enhancing the chatbot's performance and accuracy by 25% through rigorous model evaluation and iterative improvements.
- Created responsive interfaces with HTML, CSS, and JavaScript, and created 5+ APIs to support chatbot functionalities, ensuring seamless integration.

PROJECTS

Movie Recommendation System: Personalized Movie Suggestions

- Developed a movie recommendation system using Python and Machine Learning, leveraging content-based filtering for personalized suggestions, boosting user experience by 20%.
- Processed a dataset with metadata and credits for 5,000+ movies, unifying features like genres, keywords, cast, and crew into a 'tags' field, achieving 90% accuracy.
- Applied scikit-learn's CountVectorizer to extract 1,000+ features and computed cosine similarity, ensuring precise recommendations and improving user satisfaction by 15%.

NEUROGEST: Precise Hand Gesture Recognition Using Deep Neural Networks

- Created a gesture recognition system for Telugu, Tamil, and English using Python and deep learning, with 85% accuracy in translating sign language.
- Applied computer vision and machine learning, training models on 1,000+ sign language samples to achieve robust recognition across 3 languages.
- Integrated real-time video processing, providing instant feedback with less than 1 second latency, enhancing communication for individuals with hearing and speech impairments.

Dynamic E-Commerce Platform

- Designed and developed a 100% responsive and dynamic e-commerce website with a modern, user-friendly interface using HTML5, CSS, and Bootstrap.
- Integrated key features like a navigation bar, interactive product cards, and engaging elements, significantly enhancing user experience and boosting engagement by 30%.
- Utilized Bootstrap for consistent layout and advanced styling, and incorporated Google Fonts, greatly improving typography and overall visual appeal.

Call Center Management Dashboard (Power BI Project)

- Developed an interactive Power BI dashboard to visualize call center metrics, including response rates (67.52 seconds), resolution rates, and customer satisfaction (3.40/5), enhancing performance tracking.
- Integrated data from 2+ sources, analyzing over 200,000 call records to present key metrics and insights, improving trend analysis and agent performance evaluation.
- Enhanced decision-making with features for filtering data by agent, topic, and date range, providing actionable insights and optimizing call center operations.

CERTIFICATIONS & EXTRA-CURRICULAR ACTIVITIES

- **IBM**: Successfully completed the **Python for Data Science, AI & Development** course on Coursera.
- **IBM**: Earned the **Data Science Foundations - Level 1** certification. (Link)
- **Skill Rack**: Completed the **Python 3.x - Programming Course (Hands-On)**. (Link)
- **British Airways**: Participated in the **Data Science Job Simulation** on Forage. (Link)
- **Tata**: Completed the **Data Visualization: Empowering Business with Insights** on Forage. (Link)
- **Adzap Competition**: Secured first place at MAGNIFICA'23, Saveetha Engineering College.