Dhanya Sri Karamsetty

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SUMMARY

Passionate B.tech (Artificial Intelligence) student with a strong interest in web development and full stack development. Quick learner with the ability to grasp new concepts easily. Highly motivated to take on new challenges and continuously expand technical knowledge.

Education

Amrita Vishwa Vidyapeetham, B.tech   2023 - 2027
- GPA: 7.36/10
- **Coursework:** Computer Science & Engineering- Artificial Intelligence

Sri Chaitanya Junior College, Intermediate   2021 - 2023
- Percentage: 94.4%

Sri Chaitanya School, SSC   2021
- Marks: 594/600 (99%)

Projects

Expense Tracker
- Developed a command-line application to help users manage and analyze daily expenses efficiently.
- The system supports category-wise summaries, helping users identify major spending areas and make informed budgeting decisions.
- Implemented using C with modular code structure, incorporating file handling, data structures, and robust input validation for reliable and user-friendly expense tracking.

Classic Snake Game In Jack Programming Language
- Designed and implemented a classic Snake game in Jack language, compiled into VM code for execution on the Hack platform, showcasing core game development concepts like input handling, game state management, and rendering.
- Incorporated features such as smooth movement, score tracking, level progression, and a final scoreboard, with a modular design for easy maintenance and future enhancements (e.g., obstacles, lives, power-ups).

Web-based Smart Crop Recommendation System
- Developed an AI-powered web application for crop recommendation by classifying soil type using ResNet-50 on user-uploaded images and integrating location-based climate data via OpenWeather API.
- Implemented a decision tree model to suggest optimal crops for maximum yield and enhanced the user interface with Gemini LLM-generated insights on soil preparation, disease prevention, market value, and crop growth.

Languages

- English
- Hindi
- Telugu

Extra Curricular & Certifications

Tata Cybersecurity Security Analyst Job Simulation on Forage - May 2025

- Completed a job simulation involving identity and access management (IAM) for Tata Consultancy Services, collaborating with a Cybersecurity Consulting team.
- Acquired expertise in IAM principles, cybersecurity best practices, and strategic alignment with business objectives.
- Delivered comprehensive documentation and presentations, showcasing the ability to communicate complex technical concepts effectively.

Cognizant Artificial Intelligence Job Simulation on Forage - June 2024

- Completed a job simulation focused on AI for Cognizant's Data Science team.
- Conducted exploratory data analysis using Python and Google Colab for one of Cognizant's technology-led clients, Gala Groceries.
- Prepare a Python module that contains code to train a model and output the performance metrics for the Machine Learning engineering team.
- Communicated findings and analysis in the form of a PowerPoint slide to present the results back to the business.

Technologies

- Python, C, MySQL, Matlab
- Html, CSS, Javascript, Bootstrap, Flexbox(basics)
- Open CV, Pandas, Numpy, Scikit-learn
- Problem solving, Leadership, Adaptability, Collabrative Development, Team Player, Communication skills, Identity and Access MAnagment (IAM).