Pritika Priya

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EDUCATION

Senior Secondary, Science, *NPC School*   04/2020 – 03/2021

B.Tech, Computer Science, *Galgotias University*   10/2021 – 12/2025

SKILLS

Python Programming	AI-ML
SQL - Databases	Front-End Development
Bootstrap	Git

CERTIFICATES

- Dextrix ⧉
- SIH ⧉
- AI-ML ⧉

PROJECTS

Image captioning ⧉
It uses advanced algorithms to generate textual descriptions for images, interpreting visual elements with up to 95% accuracy. This technology enhances accessibility and content management by converting visual information into readable text.

Jumping frog problem ⧉
The Jump Frog game employs a dynamic programming approach to solve the greedy algorithm, minimizing the number of steps needed to reach the island. This method optimizes pathfinding, reducing the average step count by up to 50% compared to naive strategies.

Virtual assistant ⧉
This tool offers various functionalities, including displaying the current date and time, opening websites, and performing automated Google searches. It also retrieves Wikipedia information on any topic, writes and saves desktop notes, and provides weather updates for any city, enhancing productivity by over 60%.

POSITION OF RESPONSIBILITY

SIH, *Team leader*
Led a team of 6 to design and implement a drone-based crowd detection system using computer vision and AI, achieving a 90% accuracy rate in real-time detection. Our project was selected among the top 10% of entries, presented to industry experts and government officials.

Dextix 4.0, *Participant*
Collaborated with a team of 5 to create an AI-powered smart farming system, integrating IoT sensors for real-time monitoring of soil health and crop conditions. The project improved yield prediction accuracy by 85% and was recognized among the top 15% of submissions.

ACADEMIC AND EXTRACURRICULAR ACHIEVEMENTS

- I have tackled over 1000 questions across multiple platforms and actively participated in their weekly contests.

- I have completed over 10 projects individually and collaborated on 5 projects with a team.