

Adarsh Singh

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CONTACT INFORMATION

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ABOUT ME

- Enthusiastic and proactive B.Tech student with a strong foundation in C, Python, and Java, passionate about software development, artificial intelligence, machine learning, and data analysis. Demonstrated ability to conceptualize and execute complex projects, including an AI-powered YouTube automation pipeline and a Chrome extension for screen analysis. A consistent academic topper with a keen interest in leveraging technology to solve real-world problems and drive innovation.

EDUCATION

- Bachelor of Technology (B.Tech) | 2023 - 2027 (Expected) | Allenhouse Institute of Technology
- 12th Grade | 2022 | Rk Education Center | Academic Topper
- 10th Grade | 2020 | Rk Education Center | Academic Topper

SKILLS

- Programming Languages: Python (Proficient), Java, C, JavaScript
- AI/ML: Google Gemini API (Project Experience), Foundational AI/ML Concepts
- Web Technologies: Chrome Extension Development (HTML, CSS)

- Tools & Platforms: Git, GitHub, VS Code
- Concepts: Object-Oriented Programming (OOP), Data Structures, Algorithms, Automation

PROJECTS

- **YouTube Automated Pipeline** * **Description:** Developed an end-to-end automated system that leverages AI to generate video scripts (using Google Gemini API), creates short 5-second video segments according to story descriptions, and automatically uploads them to YouTube after approval. This project significantly streamlines content creation and publishing workflows. * **Technologies:** Python, Google Gemini API, [Specific video processing library - e.g., MoviePy, OpenCV], [YouTube Data API if used for upload], [Cloud platform if deployed - e.g., GCP Functions]. * **Demonstrates:** AI integration, advanced automation, API interaction, backend development, content creation pipeline management, problem-solving in media processing.
- **Screen Analyser Chrome Extension** * **Description:** Created a Chrome extension designed to capture screen content and perform analysis on it. This tool aims to assist users by providing insights from on-screen data. * **Technologies:** JavaScript, HTML, CSS. * **Demonstrates:** Web extension development, front-end development, browser API interaction, data capture, potentially basic data processing and analysis capabilities.

ACHIEVEMENTS

- Academic Topper in 10th Grade (2020)
- Academic Topper in 12th Grade (2022)