

# Adarsh Singh

adarshsinghchauhan0011@gmail.com | 09236374602 |

adarshsingh96@linkedin | adarsh123@git

## Contact Information

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- **Name:** Adarsh Singh
- **Email:** adarshsinghchauhan0011@gmail.com
- **Phone:** +91-9236374602
- **LinkedIn:** [linkedin.com/in/adarshsingh96](https://www.linkedin.com/in/adarshsingh96) (Please ensure this is a valid and complete URL to your professional profile)
- **GitHub:** [github.com/adarsh123](https://github.com/adarsh123) (Please ensure this is a valid and complete URL to your GitHub profile with project repositories)

## Summary

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- Proactive and results-driven B.Tech student (2023-2027) with a strong foundation in C, Python, and Java. Eager to apply analytical skills and programming expertise to challenging roles in Software Development, Data Analysis, and ML/AI. Demonstrated ability to build innovative projects, including an AI-powered YouTube automation pipeline and a Chrome extension for screen analysis. Committed to continuous learning and contributing to impactful technological solutions.

## Education

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- **Bachelor of Technology (B.Tech)** | Computer Science/Information Technology (Expected 2027)
- Allenhouse Institute of Technology
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- **Class 12th** | PCM (2022)
- Rk Education Center | Topper
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- **Class 10th** (2020)
- Rk Education Center | Topper

## Skills

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- **Programming Languages:** Python, Java, C
- **ML/AI Concepts:** Generative AI (Gemini API), Natural Language Processing (NLP), Automation, API Integration
- **Web Technologies:** Chrome Extension Development, JavaScript, HTML, CSS (Implicit from Extension)
- **Tools & Platforms:** Git (Implied from GitHub)

## Projects

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- **YouTube Automated Pipeline**
- - Developed an end-to-end automation pipeline for YouTube content creation, leveraging AI for script generation.
- - Integrated Google Gemini API to generate video scripts based on provided story descriptions.
- - Implemented a module to create 5-second video segments according to the generated script and story details.
- - Automated the content upload process to YouTube upon approval, streamlining content delivery.
- - **Key Technologies:** Python, Google Gemini API, API Integration, Automation Scripting. (Consider adding specific video processing libraries if used, e.g., OpenCV, moviepy).
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- **Screen Analyser Chrome Extension**
- - Created a Chrome browser extension designed to capture and analyze screen content.

- - Developed functionalities for efficient screen capture and initiated analysis capabilities for captured data.
- - Potential applications include productivity enhancement, content review, or data extraction.
- - **Key Technologies:** JavaScript, HTML, CSS, Chrome Extension APIs. (Consider adding specific data analysis or image processing libraries if used).

## Achievements

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- **Academic Topper:** Achieved topper status in Class 12th (2022) and Class 10th (2020) at Rk Education Center, demonstrating strong academic performance and dedication.