

# Adarsh Singh

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## Summary

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- Highly motivated and results-oriented aspiring Software Developer, Data Analyst, and ML/AI Engineer with a strong foundation in Python, Java, and C. Proven ability to design, develop, and deploy innovative solutions, including a sophisticated YouTube automation pipeline leveraging Gemini AI and a practical Chrome extension for screen analysis. Eager to apply analytical skills and technical expertise to complex challenges in a dynamic environment.

## Skills

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- Programming Languages: Python (Proficient), Java, C, JavaScript
- AI/ML: Gemini API, Machine Learning Concepts, Data Preprocessing, Natural Language Processing (NLP - inferred from script generation)
- Web Development: Chrome Extensions Development, HTML, CSS, RESTful APIs, Web Scraping (potential)
- Data Tools: Data Analysis, Data Pipelines, Automation, Video Processing Libraries (e.g., MoviePy)
- Version Control: Git, GitHub
- Operating Systems: Windows, Linux (Basic)

## Projects

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- \*\*YouTube Automated Pipeline\*\*
  - - Developed an end-to-end automated content generation and upload pipeline for YouTube.

- - Leveraged Gemini AI for automated script generation based on user-provided story descriptions.
- - Designed and implemented a system to automatically create and synchronize 5-second video clips according to the generated script, followed by automated upload to YouTube upon approval.
- - Demonstrates expertise in AI model integration, video processing, API automation, and robust pipeline development for content creation.
- - Technologies: Python, Gemini API, YouTube Data API, Video Editing Libraries (e.g., MoviePy), Automation Frameworks, Cloud Services (if applicable).
- - GitHub: [Link to GitHub Repository - **\*\*Highly Recommended\*\***]
- - Demo: [Link to Live Demo / Video Demonstration - **\*\*Highly Recommended\*\***]
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- **\*\*Screen Analyser Chrome Extension\*\***
- - Engineered a Chrome extension capable of capturing and analyzing screen content directly within the browser.
- - Provides real-time screen capture functionality, enabling users to capture specific areas or full screens.
- - Implemented logic for analyzing captured screen data, potentially involving image processing, OCR, or content recognition techniques.
- - Showcases proficiency in web extension development, front-end scripting (JavaScript), browser API integration, and on-device data analysis capabilities.
- - Technologies: JavaScript, HTML, CSS, Chrome Extension APIs, Image Processing Libraries (e.g., OpenCV.js or custom algorithm).
- - GitHub: [Link to GitHub Repository - **\*\*Highly Recommended\*\***]

## Education

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- **\*\*Education details are critically missing from the provided data.\*\*** Please ensure to add your:
- - Degree(s) (e.g., Bachelor of Technology in Computer Science Engineering)

- - University/Institution Name
- - Graduation Year
- - Relevant Coursework (e.g., Data Structures & Algorithms, Machine Learning, Database Management Systems)
- - GPA/Percentage (if strong)

## Work Experience

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- No formal work experience was provided.
- Consider adding any internships, part-time roles, or significant freelance projects that demonstrate professional skills, teamwork, and problem-solving abilities. Even non-tech roles can showcase transferable skills like communication, leadership, or project management.

## Achievements & Certifications

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- Achievements and certifications are currently missing from the provided data. Please include any:
  - - Academic honors, awards, or scholarships.
  - - Competitive programming achievements (e.g., Hackathons, coding contests).
  - - Relevant professional certifications (e.g., Google Cloud, AWS, Microsoft Azure, Coursera Specializations, Udemy courses relevant to ML/AI, Data Analysis, Software Development).
- \*(Note: The content extracted from the provided PDF certificates was empty, so no information could be incorporated from them.)\*