

Aditya Agrawal

Software Engineer

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EDUCATION

- **SRM Institute of Science and Technology** Chennai, India
B.Tech in Computer Science; GPA: 9.53 *October 2020 - June 2024*
Courses: Operating Systems, Analysis of Algorithms, Artificial Intelligence, Machine Learning, Probability and Statistics and Network Security.

EXPERIENCE

- **The Pluto App** Remote
Application Developer Intern *April 2023 - September 2023*
 - **Front End:** Worked on a range of features and components, including user authentication, user profile card, media uploading, user story etc accounting for 60% of the overall project scope.
 - **Coordination:** Ensured effective communication and seamless coordination among team members, leading to smooth project progress and on-time delivery, achieving a 95% efficiency rate in team collaboration.
- **Helpen.In** Bangalore, India
Android Developer Intern *September 2022 - October 2022*
 - **Front End:** Optimized the application's user interface using the Flutter framework; yields a 60% enhancement in the user experience.
 - **Testing:** Coordinated with the testing team to conduct numerous bug tests and execute modifications to improve the user experience; resulting in a 40% increase in application speed.

COMMUNITY

- **SRM ACM** Chennai, India
Chairman *January 2022*
 - **Management:** Directing and managing the most exclusive student club in India that aims to improve students working and learning environments in computing.
 - **Collaboration:** Collaborated with other student organizations, both within and outside their university, to foster partnerships and promote the sharing of knowledge and resources.
- **Next Tech Lab** Chennai, India
Member *April 2021*
 - **Engagement:** Organizing events and workshops for groups of 100+ students to increase cumulative learning and productivity.
 - **Mentorship:** Guided, mentored and recruited 30+ recruits in their research and product development projects about machine learning and artificial intelligence.

PROJECTS

- **EPO:** Engineering an event management platform that will allow organizations to maintain a centralized record of all their events and enable effective communication; reduced event planning time by 30% and increased cross-team collaboration by 40%.
- **INSTNXT:** Developed a feature-rich application that allows users to download Instagram reels and profile pictures seamlessly. Added a caption suggestion feature to enhance post engagement.
- **Easy-Visual Question Answering:** Implemented convolutional neural network and LSTM model together to provide responses to queries about a picture from a pool of 13 options. The model can be easily trained on CPUs with low computational power and compared to the original model, training time is cut by 70%.
- **Automatic Number Plate Recognizer:** Implemented an automated model that utilizes Py-tesseract and OpenCV to extract and recognize the license plates of vehicles. This ANPR system empowers tasks such as automatic toll collection and traffic enforcement, resulting in a substantial reduction of human effort by 30-50%.

SKILLS SUMMARY

- **Languages:** C++, Python, C, Dart, HTML5, CSS, JavaScript, SQL, GIT
- **Libraries and Frameworks:** Flutter, OpenCV, Keras, GITHUB

HONORS AND AWARDS

- **Scholarship for Academic Excellence, SRMIST (2021)**
- **Standard Chartered Ideathon Winner(2023)**