# Akshay Kumar

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## Education

**RNS Institute of Technology** Bengaluru, India
*Bachelor of Engineering in Computer Science* *Dec 2021 – Current*

- GPA: 8.99/10
- Relevant Coursework: Data Structures, Algorithms, Operating Systems, Databases, Software Engineering, AI, FullStack Development,

## Technical Skills

**Languages:** C, C++, Python, SQL (MySQL),HTML
**Frameworks:** Django, Flask, TailwindCSS
**Libraries:** Selenium, Folium, OpenCV
**Developer Tools:** Git, VS Code, Github, Azure

## Experience

**SDE Intern** 29-March-2024 – 29-May-2024
*Indian Institute of Science Bengaluru* *Bengaluru, India*

- Developed a software named C.L.A.S.S(Child Labor Automated Surveillance System) to report instances of child labor.
- Jointly submitted a paper based on this project to INDICon (IEEE conf. no. #63790) at IIT Kharagpur.
- Created an Idea video of the project: View idea Video
- Designed, Developed and Implemented the project: View Implemented Video
- **Mentor:** Anandi Giridharan (Principal Research Scientist)
- **Technical Skills:** Python, Flask, Selenium, Folium
- **Soft Skills:** Collaboration, Problem-solving, Adaptability, Time Management.

## Projects

**PRECISION-VISION** | *Python, OpenCV, Tkinter* 17-February 2023 – 22-May-2023

- Led the development of the software, focusing on creating a user-friendly GUI and integrating advanced algorithms for personalized eye tests.
- Collaborated with medical professionals to ensure the software's authenticity and relevance in eye care diagnostics.
- Applied for patent to protect the innovative features and functionalities of the software.

**SCHOLATA** | *C, Data Structures* 07-December 2022 – 12-January-2023

- Developed the project using advanced linked lists to optimize the scholarship application process.
- Recognized as one of the Best projects in the CSE branch during the 1st year.
- Designed, Developed and Implemented: View Video

**C.L.A.S.S** | *Python, Selenium, Folium* 29-March-2024 – 29-May-2024

- Designed and developed the CLASS(Child Labor Automated Surveillance System) system using Python, Selenium, and Folium for automated surveillance and reporting of child labor incidents.
- Implemented features to identify child labor hotspot areas and automate the reporting process to relevant authorities.
- Contributed to significant advancements in addressing child labor issues through innovative technology integration.

## Achievements

**Submitted Research Paper through IISC Bengaluru** IIT Kharagpur
*Submitted Research Paper of C.L.A.S.S to INDICon (IEEE conf. no. 63790), IIT Kharagpur* .

**Technical Event Runner-up** RNS Institute of Technology
*Achieved the runner-up position in a technical event conducted by the college.*

**Patent Application**
*Filed a patent application for the PRECISION-VISION project.*