

# Akshay Kumar

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## EDUCATION

### RNS Institute of Technology

*Bachelor of Engineering in Computer Science*

Bengaluru, India

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),

**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](#)
- Implemented and documented 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.
- Implementation video: [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

### Instructor, Object-Oriented Programming

*Conducted classes on Object-Oriented Programming for 5th-semester students*

RNS Institute of Technology

### Technical Event Runner-up

*Achieved the runner-up position in a technical event conducted by the college.*

RNS Institute of Technology

### Patent Application

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