

**WORK EXPERIENCE**

Worked as a Software Developer in a company **Semi-Conductor Laboratory(SCL)**. Sector 72, S.A.S Naga, Mohali. in which I work on software development with the assistance of my mentor, the project includes.

1) Created an Optical Character Recognition (OCR) system utilizing web camera input to efficiently read data, supplemented by customized functions for generating selected data graphs.

Developed an OCR solution integrating webcam functionality for data reading and custom graph generation to enhance work efficiency and data visualization capabilities.

2) Implemented machine learning for automating the operation of a polishing machine in the company, which reduces the thickness of clips and prepares them for further processing, streamlining the time-consuming process.

Spearheaded the integration of machine learning throughout the entire workflow, from data preprocessing to model design and testing, in the automation of the polishing machine, optimizing efficiency and accuracy.

---

**EDUCATION****Punjab Engineering College****Chandigarh, India***Btech in Electronics and Communication**Dec 2021 - June 2025**CGPA - 6.45***Sri Krishna Public School****Yamunanagar, Haryana***Senior Secondary; Percentage-66.4%**April 2020 - March 2021**Secondary; Percentage-76.6%**April 2018 - March 2019*

---

**ACADEMIC PROJECT****1) CiberSecurity Full Stack website**, Web Development Project

- Develop a website using Node.js, Express.js, and MongoDB, integrating a front-end interface for generating unique links and email functionality.
- Overcome technical challenges like scalability and security, optimizing code to enhance performance and reliability.
- Thoroughly test the website, gather feedback, and continuously optimize for an efficient and satisfying user experience.

**2) 2048 Game**, Web Development Project

(GitHub - <https://github.com/rishabh21062002/2048-Game.git> )

- Development - Created a web-based game inspired by the popular 2048 puzzle game using HTML, CSS, and JavaScript.
- Designed the user interface and implemented game logic for a seamless gaming experience. - Utilized HTML for enhanced user interactions and responsiveness.
- Overcome technical challenges, and optimized code.

**3) Community Facts Sharing Website**, Web Development Project

(GitHub - <https://github.com/rishabh21062002/Share-Fact.git> )

- Developed and launched a fully responsive website using HTML, CSS, and JavaScript for community members to share and access facts and information.
  - Implemented interactive features like comments and likes to encourage community engagement and foster user interaction.
  - Managed user-generated content, ensuring quality through moderation and reporting mechanisms to maintain a positive user experience.
- 

**SKILLS**

**Programming Languages:** C++,Python(familiar),.

**Web development:** Javascript, HTML, CSS, Express.js, React.js, Node.js Mongo DB.

**Add-ons:** Data Structure And Algorithm, DBMS.

