

## PROFILE

---

- ★ To enhance my professional skills, capabilities and knowledge in an organization which recognizes the value of hard work and trusts me with responsibilities and challenges.

## EDUCATION

---

- ★ **High-school:** 94.6% (2020)
- ★ **Intermediate:** 94.75% (2022)
- ★ **Under Graduate:** 8.57 cgpa (Present) (2023-2027)

## PROJECTS

---

- ★ **Disease detection in potato leaves.**  
Created a site using Python which detected the possible disease in leaves through machine learning. Machine learning can be used for leaf disease detection by training algorithms on images of healthy and diseased leaves, enabling them to identify patterns and predict diseases accurately
  - Feature Extraction
  - Classification
  - Convolutional Neural Networks (CNNs)
- ★ **Cabin Connect: A Real-Time Faculty Availability System**  
This web application, built with a Python backend and React frontend, allows students to check a faculty member's real-time availability before meeting them. The system streamlines communication by reducing unnecessary trips to empty offices, saving time for both students and staff.
  - Developed a RESTful API using Python to manage real-time status updates and user authentication.
  - Engineered a responsive single-page application with React, ensuring a user-friendly experience for students and faculty.
  - Integrated the frontend with the backend API to fetch and display dynamic availability data efficiently.
- ★ **Removing Communication barrier**  
This project is a web-based platform designed to facilitate communication for individuals with different language backgrounds and those who are differently-abled. Using a range of Web Development techniques, RCB breaks down communication barriers, making the web more accessible and inclusive for everyone.
  - Developed an inclusive web application to help individuals with diverse language backgrounds and disabilities communicate effectively.
  - Employed core web development principles to build a user-friendly and accessible interface.

- Integrated various features to support different communication needs, ensuring the platform is useful for a broad audience.

## SKILLS

---

<i>DSA</i>	I applied my basic DSA knowledge to build a book management tool, using a hash map for efficient lookups and a sorting algorithm to display data, demonstrating a practical understanding of fundamental concepts.
<i>Web De-velopment</i>	Developed projects utilizing web development technologies, including [mention a few specific technologies, e.g., HTML, CSS, JavaScript, React] to build responsive and user-friendly applications.
<i>JAVA</i>	Developed a personal automation tool using foundational Java skills, overcoming challenges through self-guided learning and online resources.
<i>Operating System</i>	Improved my personal project's performance by applying fundamental Operating Systems concepts like concurrent I/O and memory management.
<i>German Problem Solving</i>	Never really worked on my written German. My reading speed in German is abysmal. As a leader, I guide my team through complex challenges by applying a structured, critical-thinking approach to problem-solving.
<i>Team Building</i>	I excel at fostering an environment of open communication and mutual respect, which strengthens team bonds and drives collective success.

## ACHIEVEMENTS AND INTERESTS

---

- ★ IEEE Hackathon participant where we made a project of Removing Communication barrier among people who are used to different languages and even people who are differently abled. We used Web Development techniques in this project .
- ★ Event Management CO-Lead of a cultural Club in College where I oversaw the entire lifecycle of society events, from conceptualizing and planning to coordinating logistics and ensuring flawless on-site execution for the college community.
- ★ Coding and Programming: Learning languages which helps with data analysis, automation, and creating simulations, which are vital skills in almost every engineering field.
- ★ Reading and Research: Staying up-to-date with industry news, scientific journals, and tech blogs helps you stay current with advancements and trends in your field. It also cultivates a habit of continuous learning, which is essential in a rapidly evolving industry.