



**Rithik Sachdev**  
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## ACADEMIC DETAILS

COURSE	SPECIALISATION	YEAR	INSTITUTE	BOARD	PERCENTAGE / CGPA
B.Tech	Computer Science	2021	Shri Govindram Seksaria Institute of Technology and Science, Indore	RGPV	7.65
A1	French	2018	Alliance Française de Bhopal	Alliance Française	79.5%
XII	Science	2016	Delhi Public School, Indore	CBSE	88.4%

**Electives Completed** Data Structures, Database Management System, Machine Learning, Cloud Computing, Data Science, Soft Computing  
**Technical Proficiency** Node JS, SQL, Java, Spring Boot(Basics), Python, Microsoft Excel, React JS, HTML, CSS  
**Software Skills** Visual Studio Code, Anaconda, Jira, Google Cloud, AWS, Postman, Adobe XD

## WORK EXPERIENCE

### Software Engineering Intern – Aaiway India, aaiway.com

January 2020 – July 2020

- Developed a web scraping tool using python to scrape 20,000 house listings from different websites.
- Collected data using the twint web scraping tool and performed sentiment analysis with the help of StanfordNLP.
- Worked on the back-end of the system using Node.js to integrate Google Maps API and develop micro-services for sentiment analysis.
- Created a chatbot using Google Speech to Text API, Google Dialogflow, and socket.io to collect customer information interactively.

## ACADEMIC PROJECTS

### Detection of DDoS attacks using Machine Learning

August 2020 – May 2021

- Developed a machine learning model to classify DDoS attacks and benign traffic and compared the results using different learning algorithms.
- Performed feature selection using Random Forest algorithm with an accuracy of 99.94%.
- Trained the model using different algorithms and achieved a maximum accuracy of 99.92% and F1-score of 100%, using the AdaBoost learning algorithm.

### Covid-19 Help API

May 2020 - July 2020

- Developed an API for combating the coronavirus pandemic that creates SQL queries and graphical representations from NLP queries on the COVID19 dataset.
- The API has an accuracy of 84% and generates a PDF explaining the safety precautions with the help of diagrams and graphs.

### Vote for India Website

January 2019 - May 2019

- Designed a website that displays the previous election results in the form of a geographical map with the election memorandum of parties, the top 10 trending news, and helps citizens learn about politics.

## POSITIONS OF RESPONSIBILITY

### Overall Coordinator, Entrepreneurship-Cell SGSITS

May 2020 – May 2021

- Lead a team of 55 members to encourage entrepreneurship spirit among young enthusiasts.
- Organized E-Summit 2021 featuring 10 Speaker Session, 3 Workshops, Content Creation Conclave, Get Funded providing Rs. 500k+ in funding for start-ups, Ideascape providing Rs. 300k+ worth of Incubation, and Rs. 150k+ in sponsorship.

### Head of External Affairs and Web Development Lead, Entrepreneurship-Cell SGSITS

May 2019 – May 2020

- Responsible for devising and implementing communications plans that help deliver the organization's strategy and build sponsorship ties, generating Rs. 90k worth of funds from sponsorship ties.
- Lead a team of 8 members to develop the website – [www.ecellsgsits.com](http://www.ecellsgsits.com)

## CONFERENCES AND WORKSHOPS

### Agile Methodologies - Organized By: Mr. Raj Vatnani, Sr. Project Manager - Worldpay and CIDI SGSITS

October 2019

- Learned Agile software development methodology and worked on a project in a team of seven students, using agile techniques.
- Performed the role of front-end developer and scrum-master, for two weeks during the workshop.

## ACHIEVEMENTS

- Secured second runners-up position in Virtual Imagine Hackathon organized by Principal Global Services. July 2020
- Secured second runners-up position in a state-level Hackathon - HackIndore 2.0. August 2019

## VOLUNTEER EXPERIENCE

### Art for Charity – Role: Head of Operations | Cause: Art and charity

July 2020 - Present

- Contributed to organizing the auction events, milk distribution drives, and timely deposit of funds to NGOs.