

# Ritvik Sharma

Data Scientist & Cloud Computing

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## My Achievements

### Hackathons

- [Got First Prize in SRM Hackathon, "Hack-n-Learn"](#)  
[Mercury](#): A Chatbot built with ALBERT and CRF for finding order details from a sentence such as "I want 2 Non-Veg Pizzas from Dominos."
- Published an article on Medium.com about making a chatbot using Albert and CRFs which attracted a popular chatbot organization [www.chatbotslife.com](http://www.chatbotslife.com)

## My Projects

### [Mercury](#)

Mobile app made with Python, Flutter and using [Machine Learning](#) to order food by simply speaking or typing out the order.

I came up with the design and worked on the backend.

Website : Used [Google Cloud Platform \(GCP\)](#) to configure [Cloud DNS](#) and host Mercury on my website using [firebase](#).

Machine Learning : [ALBERT](#) and [Conditional Random Fields \(CRFs\)](#)

Project: <https://mercury.ritvik-sharma.com/>

Demo: <https://www.youtube.com/watch?v=fgn-1RZ8AKM>

### [HyperSafety](#)

Mobile app made with [NodeJS-ExpressJS](#), Python, [OpenCV](#) and Flutter to ensure that employees physically present in work places are wearing masks at all times.

I worked on [Face Detection and Recognition](#) along with [MySQL DB](#) and [NodeJS Backend](#).

Website : Used [Google Cloud Platform \(GCP\)](#) to configure [Cloud DNS](#) and host HyperSafety on my website using [firebase](#).

Project : <https://hypersafety.ritvik-sharma.com/>

Demo: <https://www.youtube.com/watch?v=LwRyr8F4fns>

## Skills

Python, C/C++, Java, NodeJS, ExpressJS, MySQL

**NLP Tasks with BERT and ALBERT:** Q/A, Sentiment Analysis, Slot Filling & Intent Classification.

**OpenCV** for Mask-Detection & Face Recognition.

**gRPC:** Bidirectional Streaming Service for Speech to Text (STT) using Google's STT API

## Certifications

[NVIDIA Fundamentals of Deep Learning](#)

## Education

### SRM Inst. of Sci & Tech

2019 - 2023 // Chennai, TN

B.Tech in Computer Science with AIML

CGPA: 9.96

### Glendale Academy International

Graduated 2019 // Hyderabad, Telangana

12<sup>th</sup> Standard (Senior Year): 85 %

10<sup>th</sup> Standard (Sophomore Year): 10 CGPA

Vice Captain, Student Council

## Interests

Badminton, Swimming, Table Tennis, Music.