

# Rishav Agarwal

Student

A self motivated and energetic tech enthusiast who loves to explore new technologies, interested in solving real world problems using technical and analytical skill. Aiming to be a part of an innovative work environment, to achieve the organizational goals and develop as an individual

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## EDUCATION

### B. Tech Information Technology Vellore Institute of Technology

07/2019 - Present,

CGPA : 9.07

Courses

- Database Management
- Open Source Programming
- Computer Networks
- Data structures and algorithms

### Class X

#### M.C.Kejriwal Vidyapeeth

06/2016 - 06/2017,

Percentage : 93.8%

BOARD

- ICSE

## PERSONAL PROJECTS

### Shopoholic (E-commerce Website)

- An E-commerce website for buying and selling your clothes with reasonable price and various other options.
- Made using HTML,CSS,Javascript and php and mysql in backend and also integrated Razorpay payment gateway and also Oauth 2.0 and Open ID connect Protocol for fast signing in.
- We also take all information regarding ip address and give real time analytics regarding our website.

### Covid-19 Tracker (Nodejs,mongodb,redis,cron jobs backup)

- It's a COVID-19 tracker which shows real data using graphs with chart.js and map using mappa.js.
- It also uses mongodb for storing user information and we also used cron jobs to automatically take backup of our data using spawn child process and uses redis as a cache.

REAL TIME CHATTING APPLICATION( Websocket, HAPROXY , DOCKER, REDIS, EC2 INSTANCE , NODEJS)•

- Used HAPROXY as a reverse proxy and also websocket autoscaling and multiple docker containers running nodejs for high availability and also docker compose for running multiple containers.
- Used Redis as a publisher subscriber model to publish to a channel and get messages from it and works over HTTP1.1.

CLI for Shopping Management System (Nodejs, mongodb, inquirer, commander)

- A Command Line Interface for buying a product and used inquirer and commander package.

### Bahi-E-Khaata Grocery (Android App for E-commerce Platform)

Link: <https://play.google.com/store/apps/details?id=com.coffye.bahiekhataa>

- An E-commerce app for my fathers business regarding groceries and other food items.
- Used Firebase as a solution to backend and Android Studio as a tool for developing it

data-storage-secure( My own npm package published in npm registry)Link: [https://www.npmjs.com/package/data-storage- secure](https://www.npmjs.com/package/data-storage-secure)•

- Use express-session to store data in encrypted form using aes256 and using diffie-Hellman

### Streaming TODO app using grpc (grpc,node)

- A todo app using grpc server (remote procedural call network protocol which uses http2 as a transport protocol and protocol buffer as storage)

## SKILLS

HTML/CSS/JS

JQUERY

AWS

Haproxy / envoy

C++

BOOTSTRAP

NODE JS

MONGODB

FIREBASE

Communication

TEAMWORK

ORGANIZATION

Postresql / Mysql / Cassandra / Spanner

## WORK EXPERIENCE

### Fouses Pvt Limited (10/2020 - 11/2020)

Worked as a Web Developer Intern for building website for their company. I used Nodejs and mnogodb.with features like Oauth 2.0 and Open ID connect.

Involved in improving the security of the website using AWS inspector and AWS cloudwatch

### Applex.in (Android App Developer) (02/2021- 03/2021 )

Worked as an Android App Developer intern and creating a feature in an app like Facebook Marketplace with Firebase as a backend.

Lead a team of 6 developers to complete this project.

### FEPSI (NGO and health Care) (06/2020 - present)

Core Committee Member - Contributed majorly to the finance department by collecting funds and sponsorships for different events.

## ACHIVEMENT

### Received best career performance after 1<sup>st</sup> year

VIT

### AWS Cloud Practitioner

Online course certificate

### AWS (Intro to serverless computing)

Online course certificate

### KAFKA (Stream processing and message queue)

Online course certificate

## LANGUAGES

Hindi



English



## INTERESTS

Web Development

Cricket

Music

Movies