



# Sahil Velhal


Software Engineer


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## WORK EXPERIENCE

### Backend Developer Intern

Aantariksh Developers [Certificate] 

03/2021 - 04/2021

*Firebase, JavaScript*

- Worked in Firebase Real-time database and Firebase Authorization
- Designed database schema as per system requirements

## PERSONAL PROJECTS

TINY URL [GitHub] [Live] 

- *AWS Lambda, DynamoDB, NodeJS, Express.js, serverless-framework, HTML/CSS*
- Developed a serverless web app to shorten the long URLs
- Created Lambda functions and invoked them with REST API through API gateway
- Stored key-value pairs of short Key & long URL in DynamoDB
- Utilized Serverless-framework to develop Lambda functions
- Functions: Shorten any URL & retrieve original URL from Shortened one

SOCIAL NETWORK [GitHub] 

- *NodeJS, Express.js, MySQL, HTML/CSS, Bootstrap*
- Developed a full-stack Social Network
- Followed MVC design pattern
- Implemented CRUD operations in MySQL database
- Functions: Make posts, like, comment them, Connect with others

MEDICAL CONSULTATION BOOKING [GitHub] 

- *Flask, MySQL, HTML/CSS, Bootstrap*
- Flask-mail module: receive mail after booking appointment
- AJAX to fetch booked appointments.

HACKATHON: FROST HACK - READ STORY [GitHub] 

- *Firebase, JavaScript, HTML/CSS, Bootstrap*
- Developed full-stack web app which enables user to read any story
- Stored all the data in firebase real time database and firebase storage
- Used Dictionary API to display meaning of word and chart.js to display statistical data in graphical format

HACKATHON: HACKER-BASH - EASE-MY-BILL [GitHub] 

- *NodeJS, Express.js, MySQL, HTML/CSS, Bootstrap*
- Developed a full-stack web app for vendors and customers interaction
- Performed CRUD operations in MySQL database

## EDUCATION

### BE - Information Technology

Don Bosco Institute of Technology

07/2018 - 07/2022

*Major Courses*

- Data Structures and Algorithms
- Operating Systems
- Computer Networking

*Mumbai, India*

## SKILLS

Node.js

AWS Lambda

MySQL

AWS DynamoDB

MongoDB

Firebase

C/C++

Git

Postman

Python

JavaScript

HTML/CSS


## ACHIEVEMENTS

CODECHEF 

*4 Star MAX Rating (1897)*

CODECHEF - Nov Cookoff Div. 2 

*Global rank 71 among 6000+ participants*

COECHEF - March Long Challenge Div. 2 

*Global rank 521 among 14000+ participants*

GOOGLE KICKSTART 2021 

*Round A Global Rank 3397 | Round C Global Rank 3857*

GOOGLE HASHCODE 2021 

*Qualification Round Global Rank 4695*


CODEFORCES 

*Participated in 80+ contest & solved 300+ problems*

DEVFOLIO 

*Participated in several hackathons*

## CERTIFICATES

HACKERRANK - Intermediate Problem Solving 

*It covers topics of Data Structures (such as HashMaps, Stacks and Queues) and Algorithms (such as Optimal Solutions).*

HACKERRANK - JavaScript Basic 

*It covers topics like, Functions, Currying, Hoisting, Scope, Inheritance, Events and Error Handling.*

## INTERESTS

Competitive Programming

Web Development