

# NEEL SHAH

@ neel12@somaiya.edu

☎ 88507.633576

📍 Location: Mumbai, India

🔗 github.com/nishah98

Codeforces- shmabulock

## EDUCATION

Bachelor degree

**KJ Somaiya College Of Engineering**

📅 Jun 2016 – Jul 2020

📍 Mumbai, India

- Major: Computer Engineering
- CGPA: 8.85/10
- *First 6 semesters*

## EXPERIENCE

Summer Fellow

**Fossee, IIT-B**

📅 May 2019 - Jul 2019

📍 Mumbai, India

- Worked on eSim - tool to create and simulate electrical circuits
- Port to python3, document and debug eSim
- Also worked on Nghdl, which uses socket programming to help in mixed mode and digital simulation for electrical circuits
- **Technologies:** Python3, C

Tech Team Head | Coordinator

**Codecell**

📅 Jul 2017 - Jul 2019

📍 Mumbai, India

- Coordinator during the first year and Tech team head during the second year
- The aim of the council is to promoting competitive coding and development culture across the college by arranging workshops, meet-ups, contests and hackathon

Student Developer

**Frappe**

📅 May 2019 - Aug 2019

📍 Mumbai, India

- One of the 20 students selected for ESOC program where we developed an ERP system
- Worked on implementing a calendar module
- System is completely open source
- **Technologies:** Javascript

Web Developer

**KJSCE Students' Council**

📅 Sep 2017 - Feb 2018

📍 Mumbai, India

- Coordinated with graphics designers and content writers at KJ Somaiya College Of Engineering, to create college fest websites.
- Created 3 fest websites- Abhyantriki 2017, Skream 2018, Symphony 2018
- **Technologies:** CSS, Javascript, HTML

## PROJECTS

**Worker Threads**

- Calculated primes using worker threads and various DS like sharedArrayBuffer, ArrayBuffer, Arrays in NodeJS and benchmarked the same
- Created a CLI and used Benchmark.js to achieve precision while benchmarking
- **Technologies:** Javascript

**Passworlds**

- Removed the trust factor involved in passwords manager by tapping into the power of blockchain
- Created a chrome extension for the same to manage passwords for the user, by storing the same as hashed key value pair on IPFS
- **Technologies:** Javascript, Browserify, Solidity

**Briefly**

- Source based news in short
- Subscribe to your own news source and get news in short
- Webapp, as well as a chatbot
- **Technologies:** Javascript, SASS, HTML, Python

**Agri-iot**

- Worked on building a SMS broadcast system to help farmers improve their yield by suggesting appropriate water amount and fertilizers specific to the region.
- Collaborated with team of ECE branch students working on IOT sensors to analyze the data
- **Technologies:** Javascript, Python, CSS, HTML

## HONORS & AWARDS

2019 Mentor at Mathball, GSSOC  
2019 Finalist Smart India Hackathon  
2019 Winner KJSCE Bloombox Ideathon  
2018 Winner Mumbai Hackathon  
2018 51 on-site ACM ICPC 2018

## SKILLS

**Over 5000 lines-** Javascript, CSS, Python, C++

**Over 1000 lines-** Java, C

**Familiar-** Go, SQL

**Utilities-** Git,  $\text{\LaTeX}$ , \*nix Shell

## HOBBIES

Music & Podcasts • Movies & TV

Reading books • Sketching

Video Games • Cycling • Organizing