

# Harsh Sachala

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## EDUCATION

Bachelor of Technology., **Information Technology**,  
**K.J. Somaiya College of Engineering**, University of Mumbai, India

**2018-2022**  
**CGPA: 9.07/10**

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## WORK EXPERIENCE

### **Research Intern, Development of Shahpur district**

**October 2019-August 2020**

- The software of QGIS was used to visualize the entire map of Shahpur, along with that various layers of other community services and other places such as barren land was added.
- The overall community services such as schools, market places, historical places, road connectivity, hospitals etc. needed more attention as many areas had the services while there were others which did not have a single service as well.
- The proposal given was on the basis of the barren land available and which type of community service to be constructed was decided on the basis of the road connectivity, similar service available in neighborhood, bus routes etc.

### **Web Development Intern, Exam duty allocation system**

**May 2020-July 2020**

- The objective was to develop a web application for allocation of faculty during examinations.
- Various web technologies were used from Bootstrap for frontend to PHP for backend and MySQL database for storing and retrieval.
- Made use of automatic mail system so as to inform faculty of allocation, reminder mails and attendance mails as well.
- Role based authentication was used so as to differentiate between admin, assistant, and faculty. Each user had different interface and different permissions.

### **Intern Volunteer, Wechaar COVID resource directory**

**June 2021-July 2021**

- The main objective was to get leads for beds, ambulance, oxygen, meals, plasma/blood banks, and medicines for COVID patients.
  - Worked in a team for first 3 weeks got significant amount of leads for the cities we worked.
  - Promoted to a team leader after the 3<sup>rd</sup> week, was given a team of 4 to lead and together we worked on getting at least 20 leads in each section of each city and altogether worked on 6 cities in total.
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## LEADERSHIP & PROJECTS

### **Group leader, My notes, KJSCE**

**August 2020-November 2020**

- Led a team of 3 for a mini project we had to do as a part of a laboratory course for server-side language (PHP), made a CRUD app with authentication in semester 5.
- We successfully created the application using MySQL database and PHP as backend and on frontend we used HTML and Bootstrap.
- The app could also successfully send mail from the contact us page for users having any query

### **Group leader, Music web app, KJSCE**

**January 2021-May 2021**

- Led a team of 4 for a mini project we had to make as part of semester 6 mini-project course which was of 2 credits.
- Me and my team members used modern technologies such as React, Google OAuth, YouTube API V3, and many other UI related tools and practices to build a music web application where a user can stream songs and download it for free.
- Google OAuth was used to sign in user and only authenticated user were allowed to download music.

## Cryptocurrency Trading Algorithm (Final year project), *KJSCE*

July 2021-Present

- We are working on creating an algorithm for trading in a particular cryptocurrency so as to help user take an informed decision whether to BUY it or NOT
  - We are taking into account past record of the cryptocurrency and will club it with sentimental analysis so as to predict the price of that cryptocurrency
  - We will be using Machine Learning and its libraries with Python as our programming language
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## RESEARCH PAPERS

- Ansh Mehta, Dev Vora, Harsh Sachala, Jay Khatri, Dharmil Gada, 2021, A Review of Social Engineering Attacks and their Mitigation Solutions, INTERNATIONAL JOURNAL OF ENGINEERING RESEARCH & TECHNOLOGY (IJERT) Volume 10, Issue 10 (October 2021), pages 215-220.
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## AWARDS

- **Need cum merit scholarship:** Yearly recurring scholarship from college, gives INR 50% of the total tuition fees for an academic year.
  - **Letter of Appreciation from Security council:** Given for managing security and crowd of two big events (fests) of the college (Skream and Symphony)
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## SKILLS

**Business:** Software project management, SWOT analysis, Break even analysis, Life Cycle Assessment, Stakeholder analysis.

**Software:** Python, JavaScript, C, C++, MS Office (Excel, Word, PowerPoint), PHP, HTML, Bootstrap, CSS, WordPress, MongoDB, MySQL, React JS, Node JS, AWS, Django, React Native, Firebase, Google analytics, SEO, Google Ads, Jenkins, Docker, Azure labs, AI/ML Algorithms(Basic), AR/VR(Basic), Photoshop, Canva, Blender(Basic), Hosting a website(Heroku, GitHub, Netlify).

**Certifications:** Python automation(college workshop), Automate the boring stuff with python, Google IT Automation with python(specialization with 6 courses), Server-side development with Node JS, Express and MongoDB.

**Languages:** English, Hindi, Gujarati, French, Marathi, German, Mandarin

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## INTERESTS

- **Sports:** Cricket, Football, Volleyball (Captain of school team), Ping Pong
- **Miscellaneous:** Nonfiction literature (crime, science fiction, self-development/motivation, finance, documentary, autobiographies), traveling, music (EDM, Bollywood, pop, rock, jazz), Hiking, Cycling, Tabla, Flute.