

# Chinmay Khamkar

+91 9167612378 | <https://www.linkedin.com/in/chinmay-khamkar-403532173/>  
[khamkarchinmay4@gmail.com](mailto:khamkarchinmay4@gmail.com) | <https://github.com/chinmaykhamkar> | <https://twitter.com/chinmaykhamkar9>

## EDUCATION

**University of Mumbai, Dwarkadas J. Sanghvi College of Engineering, Mumbai, India.**

**July 2017 - July 2021**

Bachelor of Engineering in Computer Engineering with CGPA: 9.1/10.

Relevant Coursework: Data Structures, Algorithms, Database Management Systems, Object Oriented Programming Methodology, Cloud Computing, Data Mining, Machine Learning, Natural Language Processing

## TECHNICAL SKILLS

- Programming Languages: JavaScript, C/C++, Python.
- Web Technologies: React JS, HTML, CSS, Bootstrap, UI, Axios, AJAX, Node JS, Express JS, REST.
- Database: Mongodb, MySQL, Firebase.
- Cloud: Heroku, Netlify, Vercel.
- Version control: GIT
- Good grasp over data structures and algorithms.

## EXPERIENCE

**Software Development Engineer Intern (Full-stack), VelarHealth, Mumbai** **Dec 2019 – Jan 2020 & March 2021 – July 2021**

- Developed the frontend of the website including functions like onboarding, search, appointment booking, API integration etc. for both User and CRM side the first time I interned here.
- During my second time working here, I performed bug fixes, code migration developed a mailing system to notify the CRM team about various user activities and developed a script to convert leads from JSON to excel. Developed a script to convert all the leads generated from a JSON format to an EXCEL sheet to assist the CRM team.
- Tech stack: HTML, CSS, JavaScript, Node JS, EJS, MongoDB.

**Software Development Engineer Intern (Frontend), Exampil, Mumbai**

**Jan 2021 – Feb 2021**

- Exampil is a edu-tech startup to help medical students clear their entrance exams.
- I developed a real-time quiz module where students could take a MCQ based test and check their score in comparison with other candidates via a leaderboard. Integrated the API endpoints on frontend such as user auth, join quiz, submit quiz, check leaderboard provided by the backend team.
- Tech stack: HTML, CSS, JavaScript, REST, Axios.

**Software Development Engineer Intern (Full-stack), Factstory, Mumbai**

**June 2019 – Nov 2019**

- Developed the web application from scratch and its integration with firebase backend.
- Implemented API endpoints to store and retrieve data from firebase Cloud Firestore.
- Also developed a admin dashboard where the content posted on the website by the users can be moderated.
- Tech stack: HTML, CSS, Bootstrap, JavaScript, Firebase.

## PROJECTS

### LoR manager

- Built a web application from scratch with the aim of assisting college teachers and students to manage and keep track of LoRs (Letter of recommendation). This is a project that solves a real-world problem.
- LoR is an important piece of document when applying for Masters. I conducted a survey among my teachers to ask if an app to assist them might be of any help and after getting a positive response I built it.
- User auth, CURD operations, reset JWT tokens are some of the functionalities incorporated. MERN stack was used to build this project.
- Tech stack – React JS, Material UI, Node JS, Express JS, MongoDB, SendGrid, Heroku, Vercel. Link - <https://lor-manager.vercel.app/>

### Automate Chrome Dino using deep learning

- This was a fun side project where I automated the famous chrome Dino game where user could control the actions by hand moments.
- I used deep learning to train the model for certain type of hand gestures and automated it using Pyautogui library.
- Tech stack – Python, open CV, Keras, Pyautogui. Link - <https://github.com/chinmaykhamkar/automate-crome-dino-using-neural-networks->

### Canteen Management System

- I was part of an Open-source committee (DJ UNICODE) in my college. The goal of this committee was to solve various college level problems with the help of code and open source it.
- Developed Canteen management system (Frontend team of 3). We developed a web application for the canteen operators of my college to keep track of orders, generate bills, update the menu, keep track of inventory.
- The API integration of all the CURD operations provided by the backend team was handled.
- Tech stack: React JS, Material UI. Link - <https://djunicode.in/ProjectSingle/canteen-automation-web>

## RESEARCH PAPERS

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### Deep Learning model-based Multimedia forgery detection

October 2020

- The goal of this research was to curb the spread of fake images and deepfakes on the internet.
- We used a deep learning-based approach using Convolutional Neural Networks (CNN) and achieved a test accuracy of 92% deepfakes. Link - <https://ieeexplore.ieee.org/document/9243530>

### Pneumonia Detection Using X Ray Images and Deep learning

Aug 2021

- The aim of this research was to determine if a patient has pneumonia or not based on their chest X ray images.
- We used a deep learning-based approach using CNN but used an architecture suitable for the X ray dataset.
- Link - <https://www.springer.com/us/book/9789811608810>, <https://ictcs.in/ICTCS2020.pdf>

## LEADERSHIP AND INVOLMENT

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- Participated in various hackathons.
- Was part of the organizing committee for the official college fest.
- Developed leadership, networking, and public speaking skills by participating in various events and I consider myself as a strong team player.