

# Chinmay Khamkar

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## EDUCATION

### University of Southern California

Jan 2021–Present

- Master's in Computer Science  
Relevant Coursework: Algorithms, Foundations of AI

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

Aug 2017–Jul 2021

- Bachelor of Engineering in Computer Engineering  
Relevant Coursework: Data Structures, Algorithms, Database Management Systems, Object Oriented Programming, Cloud Computing, Data Mining, Machine Learning, Natural Language Processing.

[CGPA 9.1/10]

## TECHNICAL SKILLS

- **Programming Languages:** JavaScript, C, C++, Python
- **Frameworks and Tools:** React JS, Node JS, Bootstrap, SQL, HTML/CSS, Axios, AJAX, Express JS, REST, Keras, PyTorch, OpenCV, Tensorflow, MongoDB, MySQL, Firebase, Heroku, Netlify, Vercel, GIT.

## EXPERIENCE

### Software Development Engineer Intern (Full-stack), VelarHealth, Mumbai

Mar 2021–Oct 2021

- Developed frontend of a website including functions such as onboarding, search, appointment booking, API integration etc. for both user and CRM side.
- Performed bug fixes, code migration from HTML to EJS to optimize page speed by 15%, implemented a mailing system to notify the CRM team about various user activities.
- Automated script to convert all leads generated from JSON format to an EXCEL sheet to assist the CRM team and improved efficiency by 30%.

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

Dec 2020–Feb 2021

- Built real-time quiz module for students reaching a user base of 10k users to take MCQ-based tests and check scores in comparison with other candidates via leaderboard.
- Integrated the API endpoints on frontend such as user authentication, join quiz, submit quiz, check leaderboard provided by backend team.
- Developed dashboard and analytics to keep track of test score and improved app traffic by 20%.

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

Jun 2019–Nov 2019

- Delivered web application from scratch to upload stories and post by users.
- Implemented API endpoints to store and retrieve data from Firebase backend and its integration with frontend.
- Designed an admin dashboard where content posted on website by users can be moderated.

## PROJECTS

### LoR manager

- Architected web application with aim of assisting college teachers and students to manage and keep track of LoRs (Letter of recommendation).
- Delivered user authentication, CURD operations, reset JWT tokens for both teacher and student portal.  
Link - <https://lor-manager.vercel.app/>

### Canteen Automation

- Created a dashboard to enable online food ordering from college's canteen in collaboration with seven developers.
- Used React JS to build an order queue, a menu list and integrated with the backend using Axios endpoints.  
Link - <https://github.com/djunicode/canteen-automation-web>

### Chrome Dino game using Deep Learning

- Built famous chrome Dino game where user could control its actions by hand moments.
- Designed deep learning model for certain type of hand gestures and achieved an accuracy of 88% and automated it using Pyautogui library. Link - <https://github.com/chinmaykhamkar/automate-crome-dino-using-neural-networks->

## RESEARCH EXPERIENCE

- "Pneumonia detection using x-ray images and deep learning", ICTCS, Springer 2021. <https://ictcs.in/ICTCS2020.pdf>
- "Deep learning model-based multimedia forgery detection", I-SMAC, IEEE 2020.  
<https://ieeexplore.ieee.org/document/9243530>

## ACTIVITIES

- Mentored a group of 5 juniors for an open-source committee DJ UNICODE.
- Part of organizing committee for college fest to host technical events such as Robowars, RC racing, technical paper presentation etc.