

Chinmay Khamkar

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EDUCATION

University of Southern California

Jan 2021 – Present

Masters in Computer Science

Relevant Coursework: Algorithms, Database Management System

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

August 2017 – July 2021

Bachelor of Engineering in Computer Engineering

[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.
- Frameworks: React JS, Node JS, Bootstrap, Axios, AJAX, Express JS, REST, Keras, OpenCV.
- Database: MongoDB, MySQL, Firebase.
- Cloud: Heroku, Netlify, Vercel.
- Version control: GIT

EXPERIENCE

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

March 2021 – October 2021

- Developed the frontend of the website including functions like onboarding, search, appointment booking, API integration etc. for both user and CRM side.
- Performed bug fixes, code migration from HTML to EJS which optimized the page speed by 15%, implemented a mailing system to notify the CRM team about various user activities.
- Automated script to convert all the 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 which reached a user base of 10k users to take MCQ-based tests and check the score 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 the backend team.
- Developed dashboard and analytics to keep track of test score which improved the app traffic by 20%.

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

June 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 the frontend.
- Designed an admin dashboard where the content posted on the website by the users can be moderated.

PROJECTS

LoR manager

- Architected web application with the 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. MERN stack was used to build this project.
- Link - <https://lor-manager.vercel.app/>

Automate Chrome Dino using deep learning

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

RESEARCH PAPERS

Deep learning model-based multimedia forgery detection

October 2020

- Achieved test accuracy score of 92% in detecting forgery images and deep fakes.
- Link - <https://ieeexplore.ieee.org/document/9243530>

Pneumonia detection using x-ray images and deep learning

August 2021

- Deployed CNN model on x-ray image dataset to determine if patient has Pneumonia with a test accuracy of 90%.
- Link - <https://ictcs.in/ICTCS2020.pdf>

ADDITIONAL INFORMATION

- Mentored a group of 5 juniors for an open-source committee DJ UNICODE. Part of the organizing committee for college fest.
- Interest - Sports, Cooking, Sketching.