

Chinmay Khamkar

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EDUCATION

University of Southern California Master's in computer science Relevant Coursework: Algorithms, Database Management System	Jan 2021–Present
Dwarkadas J. Sanghvi College of Engineering, University of Mumbai, India Bachelor of Engineering in Computer Engineerin Relevant Coursework: Data Structures, Algorithms, Database Management Systems, Object Oriented Programming Methodology, Cloud Computing, Data Mining, Machine Learning, Natural Language Processing.	Aug 2017–Jul 2021 [CGPA 9.1/10]

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 • 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%.	Mar 2021–Oct 2021
Software Development Engineer Intern (Frontend), Exampil, Mumbai • 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%.	Dec 2020–Feb 2021
Software Development Engineer Intern (Full-stack), Factstory, Mumbai • 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.	Jun 2019–Nov 2019

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/>

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 • 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	Aug 2021
Deep learning model-based multimedia forgery detection • Achieved test accuracy score of 92% in detecting forgery images and deep fakes. • Link - https://ieeexplore.ieee.org/document/9243530	Oct 2020

ACTIVITIES

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