Chinmay Khamkar

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EDUCATION

University of Southern California   Jan 2022–Dec 2023
- Masters of Science, Computer Science – **CGPA 3.52/4.0**
  Relevant Coursework: Algorithms, Introduction to Artificial Intelligence, Database Systems.

Dwarkadas J. Sanghvi College of Engineering, University of Mumbai, India   Aug 2017–May 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, Java, SQL, HTML/CSS
- **Frameworks and Tools**: React JS, Node JS, Bootstrap, Axios, AJAX, Express JS, EJS, REST, Keras, OpenCV, MongoDB, MySQL, PHP, Firebase, Hadoop, Heroku, Netlify, Vercel, GIT.

EXPERIENCE

Software Development Intern (Student worker, Full-stack), USC Dornsife, Los Angeles   May 2022–Present
- Implement a daily activity tracking web app for a group of scientists with strength of 9k users.
- Deliver a responsive web app using Bootstrap with features such as create, edit, delete, and save activities.
- Design API endpoints to store and retrieve data from a PHP backend with SQL as database and its integration with frontend.

Software Development Engineer Intern (Full-stack), VelarHealth, Mumbai   Apr 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–Mar 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.
- Delivered dashboard and analytics to keep track of test score and improved app traffic by 20%.

PROJECTS

LoR manager
- Architected web application with aim of assisting college teachers and students to manage and keep track of LoRs (Letter of recommendation).
- Developed features including 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.
- Built an order queue, a menu list with React JS and integrated with backend leveraging Axios endpoints. Link - https://github.com/djunicode/canteen-automation-web

Chrome Dino game using Deep Learning
- Constructed 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 with 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.