Chinmay Khamkar

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EDUCATION

University of Southern California   **Jan 2022–Dec 2023**
- Masters of Science, Computer Science – **CGPA 3.63/4.0**
  Relevant Coursework: Algorithms, Introduction to Artificial Intelligence, Database Systems, Web Technologies.

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, Natural Language Processing, Object Oriented Programming.

TECHNICAL SKILLS

- **Programming Languages**: JavaScript, TypeScript, C, C++, Python, Java, HTML/CSS
- **Frameworks and Tools**: React JS, Node JS, Angular, Android Studio, Bootstrap, Express JS, Flask, AJAX, EJS, SpringBoot, Keras, OpenCV, Unity, MongoDB, MySQL, GraphQL, Firebase, Hadoop, PuTTY, Heroku, GCP, AWS EC2, AWS S3, AWS Elastic Beanstalk, AWS Lambda, Netlify, Vercel, GIT.

EXPERIENCE

Software Development Intern, Amazon Web Services, Seattle   **May 2023–Aug 2023**
- Designed a communication channel for IoT devices to access the IoT registry APIs which is part of the AWS IoT Core stack via the MQTT protocol.
- Collaborated with existing team members to migrate from the legacy rule-based interaction via the MQTT to an API based approach.
- Implemented necessary unit tests in Java Mockito with code coverage of 95% and integration tests to deploy the code on pre-production pipeline.

Software Development Intern (Student worker, Full-stack), USC Dornsife, Los Angeles   **May 2022–May 2023**
- Implemented a daily activity tracking web app for a group of scientists with strength of 9k users.
- Delivered a responsive web app using Bootstrap with features such as create, edit, delete, and save activities.
- Designed API endpoints to store and retrieve data from a NodeJS backend with remote SQL database and its integration with frontend via PuTTY.

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

Event Finder
- Engineered an Android application using Java and Android Studio to enable users to search and view details of various events, including concerts and sports events, by integrating the Ticketmaster API and Spotify API.
- Created a backend using Node JS and hosted it on AWS Elastic Beanstalk to enable the app to fetch data from the APIs and provide users with seamless access to events details, seat maps and Spotify artist albums.

LoR (Letter of Recommendation) Manager | Github
- Architected web application with aim of assisting college professors and students to manage and keep track of LoRs
- Developed features including user authentication, CURD operations, reset JWT tokens for both teacher and student portal. MERN stack was used to build this project.

Stackoverflow ChatGPT browser extension | Github
- Developed a Chrome browser extension for the Stackoverflow website where the question was feed into ChatGPT and display its result along with human answers.
- Modified the Stackoverflow website's frontend code to display the results got from ChatGPT and open-sourced the extension on Github gaining multiple stars.

Canteen Automation | Github
- Created a dashboard to enable online food ordering from University's canteen in collaboration with seven developers.
- Built an order queue, a menu list with React JS and integrated with backend leveraging Axios endpoints.