

CHAITANYA TEKANE

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EDUCATION

McGill University, Montreal, Canada

August 2023 - August 2025

Master of Science (Thesis) in Computer Science (Supervisor - Prof. Jorg Kienzle)

Savitribai Phule Pune University, Kopergaon, India

August 2019 - June 2023

Bachelor of Technology in Computer Engineering with *Distinction*

(CGPA-9.18/10)

Relevant courses: Data Structures and Algorithms, Object Oriented Programming, Database Management System, Operating System, Computer Network, Web Technology, Machine Learning, Software Testing, Multivariate Calculus and Linear Algebra

PROFESSIONAL EXPERIENCES

Université de Montréal, Montreal, Canada | *MITACS Globalink Research Intern*

June 2022-August 2022

- Created an exhibition model using SvelteKit, Canvas Panel and IIIF Standards for the analysis of works of art and history by experimenting different digital strategies meeting specific needs of image analysis in storytelling format
- Researched and analyzed resources from image viewers to develop software-based projects

Eleva Infotech Private Ltd., Bangalore, India | *Software Developer Intern*

November 2021-April 2022

- Implemented drag and drop feature using ReactJs to make it user friendly by eliminating the manual spreadsheets and executed Agile development activities of Sprint Planning, stand-ups and demos to build superior quality products
- Conducted code reviews and managed distributed development by designing new components and interfaces to catch mistakes while ensuring high code standards

ACADEMIC PROJECTS AND RESEARCH PAPERS

Crypto Hunter | ReactJs, Firebase, Material-UI, ChartJs Library, JavaScript, HTML and CSS

- Developed a web application to track trending cryptocurrency coins with features such as wish list, alerts, firebase authentication of login or signups, data in the form of charts using ChartJs
- Deployed the application using Netlify, which is currently used by 120+ users globally

Have-Good-Meal | Machine Learning, Convolutional Neural Networks and Python

- Devised a CNN-based Machine Learning Model to estimate calorific values in meals with image and weight as inputs
- Applied several pre-processing techniques such as data cleaning, data integration and data transformation to train the dataset thereby, attained 90% accuracy in the final meal categorization

Machine Learning Based Product Price Inference using Price Elasticity of Demand Approach | ML and Python

- Proposed and implemented Machine Learning algorithm to effectively optimize the price of different products by considering the existing price, market demand, customer behaviors on any particular day, etc
- Authored and published a research paper on the same in International Journal of Cognitive Human Computer Interaction, DOI: 10.54216/JHCI.030101 and presented at the 5th International Conference on Intelligent Computing, IConIC 2k22

Counterfeit Product Detection System Using One-Time QR Code | React Native and Firebase

- Developed a user-friendly, time saving and cost-effective product detection system using one-time QR code feature to reduce tampering of products and provide data to organizations to understand where their product is in demand or not
- Authored and published a research paper on the same in International Journal of Cognitive Human Computer Interaction, DOI: 10.54216/JHCI.020205 and presented at the 5th International Conference on Intelligent Computing, IConIC 2k22

TECHNICAL SKILLS

- Programming Languages: C/C++, JavaScript, TypeScript, Java, Python and HTML/CSS
- Libraries/Frameworks: ReactJs, NodeJs, ExpressJs, SvelteJs, Bootstrap, NPM, Material-UI, IIIF, Numpy and Pandas
- Tools/Platform: GitHub, Git, Netlify, Heroku, Canvas Panel, OpenSeadragon, Universal Viewer and Figma
- Databases: MySQL, MongoDB and Firebase

EXTRA CURRICULAR ACTIVITIES

- Won Smart India Hackathon for developing a smart attendance mobile application (2022)
- Organized 15+ workshops based on Open Source, Web Development and Data Structures and Algorithms, as the Joint Secretary of Computer Society of India at Sanjivani College of Engineering, which helped in solving problems faced by different local NGOs working for women (2020-2022)
- Led 200+ students as a Web Developer by conducting a 36+ hours introductory web development workshop to present them the tech world under Google Developer Student Club of Sanjivani College of Engineering (2019-2022)
- Published 10+ technical blogs on Hashnode based on Computer Science related topics and JavaScript language (2021)
- Mentored 20+ students under Google Cloud Career Readiness Program to enable students in building their career in Cloud and Data Analytics through industry recognized training, skill badges and certification (2021)