JAY JHAVERI

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EDUCATION

Masters of Computer Science   **Sept 2022 – Dec 2023 (Expected)**
University of California, San Diego (UCSD)   CGPA: 3.9/ 4
> *Relevant Courses*: Computer Vision, Deep Learning, Scalable Data/ML Systems, Recommender Systems

Bachelor Of Engineering (Computer Engineering)   **August 2018 – July 2022**
Vivekanand Education Society's Institute of Technology (VESIT)   CGPA: 9.013/ 10
> *Relevant Courses*: Software Development, Machine Learning, Data Structures, Web Development

INTERNSHIP EXPERIENCE

Full Stack Development Intern, Makos Infotech   **June 2021 – July 2021**
- Developed Server-side rendering for their main website (Jobaskit.com) utilizing JQuery, PHP, and MySQL, which targets automating the On-campus placement process for various colleges.
- Managed existing and created relational databases using MySQL Workbench and deployed them on AWS.
- Worked on the website's front-end design using the prototyping tool Figma, followed by bootstrap.
- Co-Pitched the product to a university alongside the founder & mentored new intern recruits working on the digitalization of the teaching process, aiming to assist colleges in operating efficiently in virtual mode

Data Analyst Intern, Leadingindia.ai   **May 2020 – June 2020**
- Worked in a team of four to build a Vaccine Prediction model on the H1N1 and seasonal flu vaccines to accurately predict the trends of the public acceptance rate (41%) of the Covid-19 vaccine.
- Research Paper was published in Springer & I wrote a Blog showcasing the correlation between the two pandemics.
- *Achievement: Secured **First** position for the mentioned research project amongst my peers.*

App Developer, Dalvik Apps   **Dec 2019 – Jan 2020**
- Designed and developed a Car Coin Collection game using C Sharp (C#) and created a UI-friendly library management system. Built an Android app using Android-Java as a substitute for default calling & messaging apps

PROJECTS

Divya-Drishti: An Independent Aid for the Visually Impaired   **Aug 2020 – May 2021**
Created a Voice-activated standalone IOT application using Raspberry Pi4 to help Visually Impaired People accurately detect Indian Currency notes, colors, and everyday objects. The project was funded under the Mumbai University Minor Research Grant Program. Received feedback from the members of National Association for the Blind (NAB). Achieved a *400%* in net cost reduction compared to products made by OrCam. *Tech Used: TensorFlow, OpenCV2, Google Cloud, Raspberry Pi, Android-Java, Linux, Python. Achievement: Published a research paper highlighting the needs of VIPs.*

Code for Change Hackathon: A Data Extraction project   **Nov 2020 - 24 hours**
Developed data extracting software for Global Parli Foundation NGO to automate the translation of Land/Farm ownership papers' pdf originally in Devanagari Script into an editable excel sheet using OCR. *Tech Used: Django, Google Cloud, Html/CSS. Achievement: Secured **First** position for the data extraction project amongst the 72 teams participating.*

International Flutter Hackathon: Healthy While Distant   **June 2020 - 48 hours**
Devised a user-friendly Flutter app that leveraged the existing Bluetooth Low Energy (BLE) technology in smartphones to help users maintain social distancing during the COVID-19 pandemic. The app alerts the user if they come within six feet of another smartphone and includes an additional feature of teaching yoga moves to stay fit while quarantining. *Tech Used: Flutter, Dart, BLE. Achievement: Secured top 150 position amongst all the teams participating world wide.*

Automated Parking System: **Dec 2019 – Feb 2020**
Built android application connected to a Firebase server, to automate security and space availability in car parking systems by monitoring the number plates detected at the exits, utilizing already installed CCTVs at the entry and exit gates of parking lots. *Tech Used: Tesseract OCR, Firebase, Android-Java, Python*

RESEARCH PUBLICATIONS

Jhaveri, J., Gupta, A., Chhabria, P., Ochani, N. and Sengupta, S., 2021. **Divya-Drishti: An Independent Aid for the Visually Impaired**. *SSRN Electronic Journal*. (https://dx.doi.org/10.2139/ssrn.3867707)

Inampudi S., **Jhaveri J.** et al., (2021) **Machine Learning Based Prediction of H1N1 and Seasonal Flu Vaccination**. In: Garg D., Wong K., Sarangapani J., Gupta S.K. (eds) Advanced Computing. IACC 2020. Communications in Computer and Information Science, vol 1367. Springer, Singapore. (https://doi.org/10.1007/978-981-16-0401-0_11)

ADDITIONAL INFORMATION

- **Technical Skills:** Python, Java, Android-Java, Flutter, Android Studio, Javascript, C, Firebase, HTML/CSS, Django