# 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*: Recommender Systems, Computer Vision

**Bachelor Of Engineering (Computer Engineering)** **August 2018 – July 2022**
Vivekanand Education Society's Institute of Technology (VESIT) CGPA: 9.013/ 10
*Relevant Courses*: Machine Learning, Artificial Intelligence and Soft Computing, Data Structures

## 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 for the H1N1 and seasonal flu vaccines to accurately estimate 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

**Data Analyst Intern, Núclei Technologies** **Dec 2018 – Jan 2019**

- Applied several supervised ML algorithms such as Linear regression & random forest in R & Python to predict sales of products at specific BigMart store locations based on previous sales data.

## RESEARCH PUBLICATIONS

**Jhaveri, J.**, Gupta, A., Chhabria, P., Ochani, N. and Sengupta, S., Dugad, S., (In Press). **Aatmanirbhar Sanchar: Self-Sufficient Communications**. International Conference on Intelligent Cyber Physical Systems and Internet of Things. ICoICI 2020. Engineering Cyber-Physical Systems and Critical Infrastructures, ECPSCI vol 3. Springer (https://link.springer.com/book/9783031184963)

**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)

## PROJECTS

**Code for Change Hackathon** **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. *Tech Used: Django, Google Cloud, Html/CSS. Achievement: Secured **First** position for the mentioned project amongst the 72 teams participating.*

**"Mental Health Messiah" Twitter Bot** **June 2020 – Aug 2020**
Leveraged sentiment analysis to build a bot to help people suffering from mental health issues related to COVID-19. *Tech Used: IBM-Cloud API, Twitter API, Python, React JS, Angular JS*

**Automated Parking System:** **Dec 2019 – Feb 2020**
Built an Android app to automate security and space availability in car parking systems by monitoring the number plates detected at the exits. *Tech Used: Tesseract OCR, Firebase, Android, Python*

## ADDITIONAL INFORMATION

- **Technical Skills:** Python, Java, Javascript, HTML/CSS, C, Android-Java, React JS, Firebase, AWS, Google Cloud