

# JAY JHAVERI

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## EDUCATION

### Masters of Computer Science

Sept 2022 – Dec 2023 (Expected)

University of California – San Diego (UCSD)

Relevant Courses: Recommender Systems, AI: Probabilistic Reasoning and Decision-Making

### Bachelor Of Engineering (Computer Engineering)

August 2018 – July 2022

Vivekanand Education Society's Institute of Technology (VESIT)

CGPA: 9.013/ 10

Relevant Courses: Data Structures, Analysis of Algorithms, Machine Learning, Software 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 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.

## PROJECTS

### Aatmanirbhar Sanchar: Secure Self-Sufficient Communications

June 2021 – May 2022

In collaboration with the [Tata Institute of Fundamental Research \(TIFR\)](#), developed an off-the-grid secure (SHA-256) chat application without using any third-party APIs in the light of recent data piracy issues. *Tech Used: Python, React JS.*

### 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 via TensorFlow. The project was funded under the [Mumbai University Minor Research Grant Program](#). Held interviews with [National Association for the Blind \(NAB\)](#) members to get feedback from our intended user base. *Tech Used: Android, Google Cloud, Raspberry Pi.* Achievement: Published a [research paper](#) highlighting the needs of VIPs.

### 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*

## RESEARCH PUBLICATIONS

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](https://doi.org/10.1007/978-981-16-0401-0_11))

## ADDITIONAL INFORMATION

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