

# JAY JHAVERI

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## EDUCATION

<b>Masters of Computer Science</b> University of California, San Diego (UCSD) <i>Relevant Courses:</i> Advanced Computer Vision, Deep Learning, Recommender Systems, Scalable Data/ML Systems	<b>Sept 2022 – Dec 2023 (Expected)</b> CGPA: 3.95/ 4
<b>Bachelor Of Engineering (Computer Engineering)</b> Vivekanand Education Society's Institute of Technology (VESIT) <i>Relevant Courses:</i> Machine Learning, Software Development, Data Structures, Natural Language Processing	<b>August 2018 – July 2022</b> CGPA: 9.013/ 10

## INTERNSHIP EXPERIENCE

<b>Full Stack Developer, Stealth Startup</b> <ul style="list-style-type: none"><li>Integrating Python-based DL architecture to a user-friendly Web Application utilizing AWS and React JS.</li><li>Secured \$100K in funding in AWS credits from Adobe.</li></ul>	<b>Feb 2023 – Present</b>
<b>Full Stack Development Intern, Makos Infotech</b> <ul style="list-style-type: none"><li>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.</li><li>Managed existing and created relational databases using MySQL Workbench and deployed them on AWS.</li><li>Worked on the website's front-end design using the prototyping tool Figma, followed by bootstrap.</li><li>Co-pitched the online job placement portal, Jobaskit, to 3 University professors alongside the founder.</li><li>Mentored 2 intern recruits working on the digitalization of the teaching process.</li></ul>	<b>June 2021 – July 2021</b>
<b>Data Analyst Intern, Leadingindia.ai</b> <ul style="list-style-type: none"><li>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.</li><li><a href="#">Research Paper</a> was published in Springer &amp; I wrote a <a href="#">Blog</a> showcasing the correlation between the two pandemics.</li><li>Secured first position for the mentioned research project amongst 85 peers intercollege.</li></ul>	<b>May 2020 – June 2020</b>
<b>App Developer, Dalvik Apps</b> <ul style="list-style-type: none"><li>Designed and developed a Car Coin Collection game using C Sharp (C#)</li><li>Created a UI-friendly library management system utilizing Java &amp; JDBC.</li><li>Built an Android app using Android-Java as a substitute for default calling &amp; messaging apps</li></ul>	<b>Dec 2019 – Jan 2020</b>
<b>Data Analyst Intern, Núclei Technologies</b> <ul style="list-style-type: none"><li>Applied several supervised ML algorithms such as Linear regression &amp; random forest in R &amp; Python to predict sales of products at specific BigMart store locations based on previous sales data.</li></ul>	<b>Dec 2018 – Jan 2019</b>

## PROJECTS

<b><a href="#">Aatmanirbhar Sanchar: Secure Self-Sufficient Communications</a></b> In collaboration with the <a href="#">Tata Institute of Fundamental Research (TIFR)</a> , developed an off-the-grid secure (SHA-256) chat application without using any third-party APIs in the light of recent data piracy issues. <i>Tech Used: Python, React JS.</i>	<b>June 2021 – May 2022</b>
<b><a href="#">Divya-Drishti: An Independent Aid for the Visually Impaired</a></b> Created a Voice-activated standalone AIOT application using Raspberry Pi4 to help <a href="#">Visually Impaired People</a> accurately detect Indian Currency notes, colors, and everyday objects. The project was funded under the <a href="#">Mumbai University Minor Research Grant Program</a> . Received feedback from the members of <a href="#">National Association for the Blind (NAB)</a> . Achieved a 400% in net cost reduction compared to products made by OrCam. <i>Tech Used: TensorFlow, OpenCV2, Google Cloud, Raspberry Pi, Android-Java, Linux, Python.</i> <i>Achievement:</i> Published a <a href="#">research paper</a> highlighting the needs of VIPs.	<b>Aug 2020 – May 2021</b>
<b><a href="#">Code for Change Hackathon: A Data Extraction project</a></b> Developed data extracting software for <a href="#">Global Parli Foundation NGO</a> to automate the translation of Land/Farm ownership papers' pdf originally in Devanagari Script into an editable excel sheet using OCR. <i>Tech Used: Django, Google Cloud, Html/CSS.</i> <i>Achievement:</i> Secured <b>First</b> position for the data extraction project amongst the 72 teams participating.	<b>Nov 2020 - 24 hours</b>
<b><a href="#">Automated Number Plate Recognition and Parking System</a></b> 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. <i>Tech Used: Tesseract OCR, Firebase, Android-Java, Python</i>	<b>Dec 2019 – Feb 2020</b>

## 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, HTML/CSS, Javascript, Android-Java, C, Django, Git, AWS, Google Cloud, Firebase