

JAY JHAVERI

(858)214-9192 | jjhaveri@ucsd.edu | San Diego | [linkedin.com/in/jayjhaveri1906/](https://www.linkedin.com/in/jayjhaveri1906/)

EDUCATION

Masters of Computer Science

University of California, San Diego (UCSD)

Sept 2022 – Dec 2023 (Expected)

CGPA: 3.95/ 4

Relevant Courses: Computer Vision, Advanced NLP, Scalable Data/ML Systems, Recommender Systems

Bachelor Of Engineering (Computer Engineering)

Vivekanand Education Society's Institute of Technology (VESIT)

August 2018 – July 2022

CGPA: 9.013/ 10

Relevant Courses: Machine Learning, Database Management, Software Development, Analysis of Algorithms

INTERNSHIP EXPERIENCE

Full Stack Developer, Stealth Startup

Feb 2023 – Present

- Integrating Python-based DL architecture to a user-friendly Web Application utilizing AWS and React JS.
- Secured \$100K in funding in AWS credits from Adobe.

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 online job placement portal, Jobaskit, to 3 University professors alongside the founder.
- Mentored 2 intern recruits working on the digitalization of the teaching process.

Web Application Developer Intern, VESIT Renaissance Cell

June 2020 – July 2020

- Led and managed a team of 6 during the entire duration of the internship.
- Worked on designing and implementing a Django-based [Paper Publication Easy-to-use Website](#) for my college, wherein teachers can easily add their newly published work for the students to see.
- Developed a [Portfolio Website](#) for our mentor.

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.
- Secured first position for the mentioned research project amongst 85 peers intercollege.

PROJECTS

Genre and Recommendation Classification using Steam Reviews

Nov 2022 – Dec 2022

- ✓ Designed data pipelines to preprocess and apply machine learning techniques to classify game genres and also personalize game recommendations using the user's reviews and hours played.
- ✓ Out of N-gram, Multinomial NB, and Linear SVC, Random Forests with Balanced data and preprocessed using TF-IDF gave the highest accuracy of 90.53%.

Aatmanirbhar Sanchar: Secure Self-Sufficient Communications

June 2021 – May 2022

- ✓ Led a team of 4 to design and develop an off-the-grid, cross-platform secure multimedia-supported chat application.
- ✓ Followed a CI/CD approach to build a client-server architecture with the server based on python and React JS.
- ✓ Made in collaboration with the [Tata Institute of Fundamental Research \(TIFR\)](#) to be used within the organization.

Divya-Drishti: An Independent Aid for the Visually Impaired

Aug 2020 – May 2021

- ✓ Created a Voice-activated standalone AIOT android application using Raspberry Pi4 to help [Visually Impaired People \(VIPs\)](#) accurately and efficiently detect Indian Currency notes, colors, and everyday objects.
- ✓ Funded by the [Mumbai University Minor Research Grant Program](#).
- ✓ Received feedback, on the android-Java app developed, by [National Association for the Blind \(NAB\)](#)'s members.
- ✓ Achieved a 400% net cost reduction compared to products made by OrCam.
- ✓ Published a [research paper](#) highlighting the needs of VIPs.

Code for Change Hackathon: A Data Extraction project

Nov 2020 - 24 hours

- ✓ Developed Django based data extracting software for [Global Parli Foundation NGO](#) to automate the translation of Land ownership papers' pdf originally in Devanagari Script into an editable Excel sheet using Google Cloud OCR.
- ✓ Secured First position for the web application amongst the 72 teams participating.

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)

- **Technical Skills:** Python, SQL, Javascript, PyTorch, TensorFlow, HTML/CSS, Android, AWS, Google Cloud, Firebase