**Education**

**Masters of Computer Science Sept 2022 – Dec 2023 (Expected)**

University of California, San Diego (UCSD) CGPA: 3.95/ 4

*Relevant Courses*: Computer Vision, Advanced NLP, 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*: 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](https://cmpn-publications-official.herokuapp.com/) for my college, wherein teachers can easily add their newly published work for the students to see.
* Developed a [Portfolio Website](https://anjaliyeole-15e4c.web.app/) 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](https://doi.org/10.1007/978-981-16-0401-0_11) was published in Springer & I wrote a [Blog](https://medium.com/@jjhaveri1906/pandemics-a-harsh-reality-7c05254e907b) 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**](https://github.com/JayJhaveri1906/Game-Genre-and-Recommendation-Prediction) **Nov 2022 – Dec 2022**

* Designed data pipelines to prprocess 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**](https://github.com/JayJhaveri1906/Aatmanirbhar-Sanchar) **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**](https://github.com/JayJhaveri1906/Divya-Drishti) **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](https://dx.doi.org/10.2139/ssrn.3867707) highlighting the needs of VIPs.

**[Code for Change Hackathon: A Data Extraction project](https://github.com/JayJhaveri1906/Saath-Baara-Utara-OCR-The-7-12-OCR) 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