JAY JHAVERI

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EDUCATION

Masters of Computer Science **Sept 2022 – Dec 2023 (Expected)**
University of California, San Diego (UCSD) CGPA: 3.95/ 4
Relevant Courses: Advanced Data-Driven Text Mining (NLP), Scalable Data/ML Systems, AI: Probabilistic Reasoning

Bachelor Of Engineering (Computer Engineering) **August 2018 – July 2022**
Vivekanand Education Society's Institute of Technology (VESIT) CGPA: 9.013/ 10
Relevant Courses: Software Development, Object Oriented Programming Language (Java), Data Structures

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 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

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. The project was funded under the Mumbai University Minor Research Grant Program. Received feedback from the members of National Association for the Blind (NAB). Achieved a *400%* in net cost reduction compared to products made by OrCam. *Tech Used: TensorFlow, OpenCV2, Google Cloud, Raspberry Pi, Android-Java, Linux, Python. Achievement: Published a research paper highlighting the needs of VIPs.*

Code for Change Hackathon: A Data Extraction project **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 using OCR. *Tech Used: Django, Google Cloud, Html/CSS. Achievement: Secured **First** position for the data extraction 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*

International Flutter Hackathon: Healthy While Distant **June 2020 - 48 hours**
Devised a user-friendly Flutter app that leveraged smartphones' existing Bluetooth Low Energy (BLE) technology to help users maintain social distancing during the COVID-19 pandemic. The app alerts the user if they come within six feet of another smartphone and includes an additional feature of teaching yoga moves to stay fit while quarantining. *Tech Used: Flutter, Dart, BLE. Achievement: Secured top 150 positions amongst all the teams participating worldwide.*

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, Java, C, Algorithms, Data Structures, Javascript, SQL, Django, Flutter, Android-Java, AWS