JAY JHAVERI

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EDUCATION

Masters of Computer Science **Sept 2022 – Dec 2023 (Expected)**
University of California – San Diego (UCSD)
Relevant Courses: Adv Computer Vision, Scalable Data Systems, Software Engineering, 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: Object Oriented Programming (JAVA), Machine Learning, Data Structures in C, DBMS, AI

INTERNSHIP EXPERIENCE

Cyber Security & Machine Learning Intern, **Legendary Entertainment** **June 2023 – Present**
- Reduced false positive anomaly detection time by 10x by Streamlining employee online activity monitoring using Splunk Dashboard and Python scripting.
- Contributed to integrating a FIDO Alliance product into the SSO workflow, enhancing security and user experience.
- Assisted in foundational work for the Shared Learning Intelligence Platform (SLIP) to improve anomaly detection in security cloud brokers in collaboration with Sky High Security.

Full Stack Development Intern, **Makos Infotech** **June 2021 – July 2021**
- Developed Server-side rendering for their main website (Jobaskit.com) utilizing JQuery, PHP, AWS, and MySQL, which targets automating the On-campus placement process for various colleges.
- Worked on the website's front-end design using the prototyping tool Figma, followed by Bootstrap.
- Mentored 2 intern recruits working on the digitalization of the teaching process.

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.

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

ACADEMIC PROJECTS

Aatmanirbhar Samakraman: Auto File Synchronization Android Application **June 2021 – May 2022**
- ✓ Led a team of 4 to develop an Android application that monitors a selected directory and uses multi-part upload methodologies to encrypt and securely upload to the dedicated remote server.
- ✓ Uses a client-server architecture with the server based on Python and Node JS backend.
- ✓ Part of my collection of projects, made in collaboration with the Tata Institute of Fundamental Research (*TIFR*).
- ✓ Utilized Google Maps and Sheets API to build a Bootstrap-based website for the live tracking feature of the uploader.

Divya-Drishti: An Independent Aid for the Visually Impaired **Aug 2020 – May 2021**
- ✓ Achieved a *400%* net cost reduction by creating a Voice-activated AI-IoT android application to help Visually Impaired People (VIPs) comparable to state-of-the-art OrCam in detecting currency, objects, and scenes.
- ✓ Received vital feedback for the Android-Java app from National Association for the Blind (NAB)'s members.
- ✓ Published a research paper highlighting the needs of VIPs funded by the Mumbai University Minor Research Grant.

Automated Number Plate Recognition and Parking System **Dec 2019 – Feb 2020**
- ✓ Built an 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 using Tesseract OCR.
- ✓ Utilized installed CCTVs at parking lots' entry and exit gates to save costs.

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 by alerting on a violation.
- ✓ It was combined with an additional feature of teaching yoga positions to promote positive mental health.

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, Android Studio, Java, Flutter, Data Structures, C, Javascript, Firebase, AWS, Google Cloud