

EDUCATION

Masters of Computer Science

Sept 2022 - March 2024 (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 <u>Blog</u> 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 <u>Android-Java</u> 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 <u>cost reduction</u> by creating a Voice-activated AI-IoT android application to help <u>Visually Impaired People</u> (VIPs) comparable to state-of-the-art OrCam in detecting currency, objects and scenes.
- ✓ Received feedback, on the android-Java app developed, by <u>National Association for the Blind</u> (NAB)'s members.
- ✓ Published a <u>research paper</u> 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 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 already installed CCTVs at the entry and exit gates of parking lots 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 and alerted 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