MITUL HIRNA

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🎓 EDUCATION

Bachelor Of Engineering | Netaji Subhash University of Technology , Delhi
JULY, 2017 – MAY, 2021

Courses and Skills: C++, Python, Node.Js, Express.Js, MongoDB, JQuery, HTML5, CSS3, Bootstrap, OpenCV, Database Management, OOPS, LINUX/UNIX environment, Operating System, Design and Analysis of Algorithms, Software Engineering, Machine Learning, Neural Networks, Blockchain, Solidity

AISSCE | Indian School Muscat, Oman
APRIL 2015 – TO MARCH 2017

🛠 WORK EXPERIENCE

ACADEMIC RESEARCH | STUDENT RESEARCHER
Aug 2019 – Feb 2020
Augmented pre-trained classifiers using feature selection and CNNs. Applied several machine learning techniques such as transfer learning, meta-heuristic techniques and data augmentation techniques to increase the accuracy of brea cancer detection in the DDSM database.

PROJECTS

- **Research Paper:** Introduced perceptual loss and deep learning methods in remote sensing for IoT to increase the accuracy of the reconstructed images. Published in the conference ICICC 2021.
- **Virtual Guide:** Developed a virtual tour guide that will display information based on landmark images entered using **machine learning concepts** and **opencv**.
- **Automatic Caption Generation App:** Used **machine learning concepts** and **neural networks** to generate caption for images.
- **Hotel Database Management System**: Developed Hotel Database management system with use of **Software Engineering** and **Database Management: Java, JDBC,SQL**
- **YelpCamp** – **Developed a deployable web application** for finding and exploring campsites.
  Tech Stack: Javascript, Node.Js, Express.Js, MongoDB, JQuery, HTML5, CSS3, Bootstrap
- **Face Recognition App:** An application that recognizes faces. Built using **Python, OpenCV, KNN Algorithm.**

Achievements

- Participated in **Smart India Hackathon 2020**. Worked on a web application **CitySafe**, targeted for citizen safety.
- Participated in **HackJNU 2020**. Developed **a virtual tour guide** using web tech. and machine learning
- Participated in **Innerve Hacks 2019**. Developed on a **Web based hiring platform** for teaching faculty and staff.
- Participated and qualified in **Flipkart Machine Learning Challenge**
  https://dare2compete.com/api/certificate/eyJvIjo3NDkyOCwicCI6NDI4NTU5MTgsInQiOiJ
- **Blockchain**: Completed specialization in Blockchain technologies. Versed in Smart Contracts, DApps, Ethereum.
- Scored 2400/2400 on Subject SAT Physics (800/800), Chemistry (800/800), Math (800/800)
- Secured Merit Award 2015-2016
- Won special mention in DPS Model United Nation 2015.