



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.

AISSCE | Indian School Muscat, Oman

APRIL 2015 – TO MARCH 2017



WORK EXPERIENCE

ACADEMIC RESEARCH | STUDENT RESEARCHER

Aug 2019 – Feb 2020

Worked with a fellow researcher under the supervision of a professor to verify the increase of accuracy in breast cancer detection using Meta – heuristic techniques for feature selection. Used techniques such as Data Augmentation, Transfer Learning.



PROJECTS

- **Counsilio:** . Developed a **web based platform** for recruitment for teaching staff and faculty.
- **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 **Innerv 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/eyJljo3NDkyOCwicCI6NDI4NTU5MTgslnQiOiJl>
- Qualified for **Round 1** in **Google Code Jam 2019**.
- 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**.



Mitul Hirna
Computer Engineering Student
Netaji Subhas University of Technology