

JIGME LOBSANG LEPCHA

IIT Delhi-110020
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EDUCATION

Indraprastha Institute of Information Technology, Delhi
Bachelor of Technology, Computer Science and Engineering with
Minor in Economics.

July 2016 - August 2020

St. Joseph's School, North Point Darjeeling
Council for the Indian School Certificate Examinations

2005-2015

TECHNICAL STRENGTHS

Programming Languages	Java, Python
Tools & Libraries	Spring, Hibernate, Android Studio, REST, SQL, Git, OpenCV, Bootstrap, Numpy, Pandas
Relevant Courses	Natural Language Processing, Computer Vision, Machine Learning, Image Analysis, Analysis and Design of Algorithms

EXPERIENCE

LBB, Delhi <i>React Native Intern</i>	May 2018 - July 2018 <i>Guide: Mr. Rohit Jain</i>
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- Developed a merchant application using React Native where business owners can search, claim and manage their establishments.
- Developed LBB's Specials page using React Native for iOS and Android.

PROJECTS

Dishcounts <i>Course: Designing Human Centered Systems</i>	Aug 2019 - Nov 2019 <i>Guide: Dr. Ponnurangam Kumaraguru (PK)</i>
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- Designed and built a coupon aggregator application in Android which collects and organizes food coupons from various sources.
- Created a small user community in which users can rate the quality of coupons available along with users being able to put requests to order food with other users. [\[code\]](#)

Eye Gaze Controlled Keyboard <i>Course: Computer Vision</i>	Jan 2019 - May 2019 <i>Guide: Dr. Mayank Vatsa</i>
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- Built a virtual typing interface which works by tracking a user's eye gaze and eye blinking using HoG features. [\[poster\]](#) [\[code\]](#)

Forest Fire Prediction <i>Course: Environmental Science</i>	Oct 2018 - Dec 2018 <i>Guide: Dr. Akash Sondhi, Dr. Suresh Jain</i>
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- Developed a web application which can predict areas where there is a high chance of forest fires using current weather data. [\[slides\]](#) [\[code\]](#)

Workout Effectiveness <i>Course: Machine Learning</i>	Aug 2018 - Dec 2018 <i>Guide: Dr. Saket Anand</i>
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- Implemented various machine learning models which classifies a workout being performed using Open-Pose and UCF101 dataset.

- Developed a system which can measure the effectiveness of an exercise being performed by various probabilistic evaluation metrics. [\[slides\]](#) [\[code\]](#)

Smart Alarm Clock

Dec 2016 - May 2017

Course: Introduction to Engineering Design

Guide: Dr. Alexander Fell

- Designed and built a smart alarm clock which can tell the weather, play music, tell jokes etc., using a Raspberry Pi. [\[code\]](#) [\[poster\]](#)

VOLUNTEER EXPERIENCE

IIITD Summer Camp

May 2017 - July 2017

- Volunteered as a teacher in the summer of 2017 to teach underprivileged children computer skills and various sports such as basketball, football and cricket. [\[report\]](#)

POSITIONS OF RESPONSIBILITY

- Football coordinator for IIITD 2019-2020. Organized the football tournament of IIITD, NSUT and DTU's annual sport's fest Triquetra. Looked after the daily practices and requirements of the IIITD football team.
- Student Mentor for IIITD's freshmen 2018-2019.
- Organized the quizzing competition for Esya 2017, the annual technology fest of IIITD. [\[prelims\]](#) [\[finals\]](#)
- Organized Sumo Wrestling for IIITD's cultural fest Odyssey 2017.
- Captain of the IIITD football team.