



## EDUCATION

Year	Degree/Exam	Institute	CGPA/Marks
2020	M.TECH Dual Degree 5Y	IIT Kharagpur	7.32 / 10
2015	Intermediate	Sri Chaitanya Junior College	98.6%
2013	Matriculation	Sri Chaitanya Techno School	9.7 / 10.0

## COURSEWORK INFORMATION

Machine Learning   Coursera Data Structures and Algorithms	Convolutional Neural Networks   Coursera Computer Applications in Aerospace Engineering
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## INTERSHIPS

**Data Science Intern, Pyramid Softsol Pvt. Ltd.** **May 2018-July 2018**

Built an application for real-time detection of pills of different sizes using *Tensorflow Object Detection API*  
Applied Transfer Learning on ImageNet pre-trained *Single Shot Multibox Detector model* built on Inception network  
Tuning of hyperparameters was done using *Bayesian Optimization* and a mean Average Precision of 90.7% was achieved  
Developed a Healthcare AI virtual assistant which can book appointments, take vital readings etc., using *RASA.ai*

## COMPETITION/CONFERENCE

**Code.fun.do SHOWCASE 2017, Microsoft** **Nov 2016-Jan 2017**

Qualified to the finals of *code.fun.do SHOWCASE 2017* held at Microsoft India Development Centre, Hyderabad  
Developed an interactive *Railway Inquiry bot* that provides information regarding trains and tickets on Messenger  
Designed the dialogue management pipeline for the smooth-functioning of the bot through different topics  
Used *LUIS.ai* to train the bot for intent classification and entity recognition of sentences

## PROJECTS

**Product Review Chrome Extension**

Developed a chrome extension that *analyzes customer reviews* of smartphones on Flipkart and Amazon websites  
Designed a pipeline for *auto-cataloguing* of new phones using cronjobs to generate new ratings once per day  
Tuned a *Naive Bayes model* to classify and give percentage ratings on different attributes of smartphone.  
Used *Puppeteer* for automated scraping of reviews to generate ratings and *Flask* for making API

**Doctor Handwriting Recognizer**

Developed a web application to digitize the image of Handwritten Doctor Prescription by recognizing the content  
Used *Peter Norvig method* for spell-correction on a custom corpus made from PubMed Records  
Character recognition of the prescription images was done using *Google Cloud Vision API*

## POSITIONS OF RESPONSIBILITY

**Student Coordinator, Entrepreneurship Cell IIT Kharagpur** **Mar 2018-Present**

Supervised a team of 7 members for the development of year-long event websites and admin panels  
Spearheaded the project of building *Startin*, a KGPIan student internship portal for Kharagpur student community  
Developed the event websites of EAD'16, GES'17 and Event Detail Management Panel using PHP and AJAX  
Introduced the Referral Link System and QR based checkin system for GES'18

## SKILLS AND EXPERTISE

<b>Programming Languages</b>	Python , Java
<b>AI related Skills</b>	Machine Learning, Computer Vision, RASA.ai, Deep Learning
<b>Web Frameworks</b>	Flask, jQuery, Puppeteer, Bootstrap, Materialize, SQL

## EXTRA CURRICULAR ACTIVITIES

Qualified to the semi-finals of Accenture Innovation Challenge 2018 from among 16000 entries across India  
Qualified to the top 50 among nearly 1000 startups at *Conquest'18* (Business Model Competition) organized by BITS Pilani  
Active participant of the Inter-Hall Open-Soft General Championship, IIT Kharagpur  
Member of Ad Design Team which stood fourth in General Championship, IIT Kharagpur  
Volunteered in the event management team of Asia's Largest Techno-Management Fest, Kshitij  
Was an active participant in the National Service Scheme by IIT Kharagpur