



EDUCATION

Year	Degree/Exam	Institute	CGPA/Marks
2020	M.TECH Dual Degree 5Y	IIT Kharagpur	7.44 / 10
2015	Intermediate	Sri Chaitanya Junior College	98.6%
2013	Matriculation	Sri Chaitanya Techno School	9.7 / 10.0

INTERNSHIPS

Machine Learning Intern, Instoried Research Labs Pvt. Ltd.	May 2019 - July 2019
<ul style="list-style-type: none">Implemented ULMFiT on a custom dataset achieving 42.3 perplexity in language modelling and 93.3% accuracy in sentiment analysisConceptualized and devised a novel pipeline for creation of embeddings from any labelled text dataset and implemented it for emotionsCreated a simple rule-based engine for emotional classification utilizing emotional embeddings to achieve an accuracy of 75.7%Devised a custom method to improve variety and relevance of recommendations for alternative words in context and word level	
Data Science Intern, Pyramid Softsol Pvt. Ltd.	May 2018 - July 2018
<ul style="list-style-type: none">Worked with team on design, development and integration of real-time video analytic solution for tracking patient's medicine usageApplied Transfer Learning on ImageNet pre-trained SSD model built on Inception network and mAP@0.5IoU of 90.7% was achievedDeveloped a Healthcare AI virtual assistant which can book appointments, take blood pressure and diabetic readings leveraging RASA.aiSolely designed the conversation flow diagram and added custom Actions by accessing database to generate personalized responses	
Web Developer Intern, Chemical Shoppe Pvt. Ltd.	May 2017 - July 2017
<ul style="list-style-type: none">Led the team on design and development of the ecommerce platform and created custom scrapers for efficient cataloging of productsRevamped the Invoicing and Pricing mechanism after the GST change took place and also incorporated Feedback feature in CRM Portal	

COMPETITION/CONFERENCE

Accenture Innovation Challenge 2018 [Finalist]	Dec 2018 - Jan 2018
<ul style="list-style-type: none">Developed a chrome extension that analyzes upto 20 pages of customer reviews of smartphones on Flipkart and Amazon websitesDesigned API endpoints for rendering scores and authorisation and deployed with JSON Web Token token-based authenticationImplemented an automated pipeline for reviews scraping utilizing Puppeteer; then generate factor-wise scores from pickled Naive Bayes	
Code.fun.do SHOWCASE 2017, Microsoft [Finalist]	Nov 2016 - Jan 2017
<ul style="list-style-type: none">Developed a Messenger chatbot to help commuters get information regarding trains like live status, confirmation status and routeConsumed LUIS.ai api for Named Entity Recognition and Intent Classification and scraped railwayapi.com for railway informationDesigned and created the chatbot utilizing Bootstrap and AJAX for UI and PHP for backend to consume the response of LUIS.ai API	

ENTREPRENEURIAL EXPERIENCES

Revoira - A Review Platform Provider Co-Founder	Dec 2017 - Feb 2019
<ul style="list-style-type: none">Deployed a Chrome Extension for review analysis on ecommerce websites to gain validation of idea and collect user feedbackCo-ordinated with a team of 4 in designing and development of user-interfaces and backend for landing page and user dashboardConducted research on market, clients and competitors to better design our product features, user-system interactions and pricingQualified in top 16(13000+ ideas) in Accenture Innovation Challenge'18; emerged as 2nd runner up in Srijan'19, B-Model Competition	

PROJECTS

ReviewIt A review system and analysis dashboard
<ul style="list-style-type: none">Designed a system to incorporate Review section on any website instantly by embedding a two-liner in the source codeDesigned a dashboard with full-fledged multi-level authentication system using Flask_Login and Shards UI for frontendBuilt a ReSTful API containing endpoints for addition of new reviews and Infinite scroll retrieval of reviews on websiteDynamically generated infographics based on results of sentiment analysis, topic modelling on reviews leveraging Chart.js
DocReferral A platform for dentists to refer other dentists
<ul style="list-style-type: none">Designed an interactive chat UI using jQuery convForm for referrer to enter patient details, choose teeth and upload filesBuilt a dashboard for referrals sent to / received from other dentists and also detailed referral form pages using Bootstrap
Prescription Reader Digitalizing hand-written Doctor Prescriptions
<ul style="list-style-type: none">Digitalized prescription by using Google Cloud Vision API for OCR followed by spelling correction with Peter Norvig algorithm

POSITIONS OF RESPONSIBILITY

Student Advisor, Entrepreneurship Cell IIT Kharagpur	Feb 2016 - Present
<ul style="list-style-type: none">Supervised a team of 7 members for the development of year-long event websites and admin panelsSpearheaded the project of building Startin'17, a KGPIan student internship portal for Kharagpur student communityCreated the event websites of EAD' 2016, GES 2017 and Event Detail Management Panel using PHP and AJAXIntroduced Referral Code System and dynamic participation fee for Campus Ambassadors; impacted the increase in footfall by 67%	

SKILLS AND EXPERTISE

Programming Languages : Python, Java	Web skills : Flask, SQLAlchemy, Selenium, jQuery, Puppeteer, Bootstrap, SQL, JWT
AI skills : Numpy, Pandas, Matplotlib, Seaborn, Scikit-learn, NLTK, spacy, Tensorflow, Pytorch, fastai, rasa.ai	
Coursework : Deep Learning, Machine Learning, Natural Language Processing (NLP), Programming & Data Structures, CNN, RNN	

EXTRA CURRICULAR ACTIVITIES

• Inter-Hall Open-Soft Team • National Service Scheme • Table Tennis • Entrepreneurship