

SACHI ANGLE

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EDUCATION

Cornell University – Cornell Tech, *MSc in Info Science and Info Systems, concentration in CS* | GPA: 3.86
Cornell Tech Merit Scholarship Award

New York, NY
May 2021

Grader (TA): Machine Learning Engineering | Start Up Studio | Entrepreneurship 0

Relevant Coursework: Natural Language Processing, Applied Machine Learning, Deep Learning, Algorithms, HCI and Design, Business Fundamentals, and Tech, Media and Democracy

Manipal Institute of Technology, *BTech in Computer Science and Engineering* | Top 10% | GPA: 9.05

Karnataka, India

Grader (TA): Design and Analysis of Algorithms

May 2018

Relevant Coursework: Natural Language Processing, Machine Learning, Artificial Intelligence, Data Structures

SKILLS

Technical: Python (Sklarn, Numpy, Pandas, PyTorch), C++, C#, Java, HTML, CSS

Research Methods: Affinity Diagram, Context. Inquiry, Prototyping, Surveys

EXPERIENCE

Audible, An Amazon Company, Software Development Intern, New York, NY Jun 2020 – Aug 2020

- Enabling an Alexa skill to quiz customers on the book content they consume to increase user engagement
- Building an NLP model using Named Entity Recognition and Relation Extraction to auto generate questions for the audiobooks

Cornell Tech, New York, NY

Deep Learning Research, Detecting Political Bias Using Deep Learning

Spring 2020

- Using RNNs and LSTMs, this project assessed the political bias of speeches and news articles

Tech, Media And Democracy

Spring 2020

- Investigated the use of bots to sow political discord using Misinformation by scraping Twitter data and Data Analysis

Consultant for Estee Lauder Companies Online, Product Design

Fall 2019

- Developed a skin care app prototype to allow customers to track the effects of their products and make more informed purchasing decisions

- Prototyping Feature: Periodical reductions in dark circles were detected using Computer Vision

Microsoft, Software Engineer, India

Jun 2018 - Jul 2019

- As an engineer on the Microsoft Substrate AI (The Cloud Platform for Office 365 Data) team, I worked on the pipeline that efficiently and compliantly extracts Office 365 data, in parallel, as structured schematized data available for consumption by partner ML teams
- Filed for a patent in the scope of using NLP to improve user experience

MT-NLP Lab at the International Institute of Information Technology, Research Intern, India

Jan 2018 – May 2018

Part of Speech Tagging of a Data Scarce Indian Language

- Built a command line tool for Konkani (spoken in Goa, India) with 77% accuracy using Semi-Supervised Machine Learning Techniques like Active Learning and Self Training

Automated Error Correction tool for POS tags of Hindi Data

- Achieved an accuracy of 94.02% with a Neural Network that employed the probabilistic predictions of Support Vector Machines, Long Short Term Memory Networks, and Conditional Random Fields to make its predictions

Manipal Institute of Information Technology, India

Jun 2016 - Apr 2017

Morphological Analysis of Kannada, an Indian Agglutinative Language

- Built using Support Vector Machines for classification and achieved an accuracy rate of 85%
- The morphological components of the language provide valuable information regarding the properties of the word (e.g. Plurality, Gender) which can be used as data for other complex ML tasks

Soccer Summary Generator

- Built a python command line tool which generates a textual summary of a video of a football match using RNNs and CNNs

PUBLICATIONS & ACHIEVEMENTS

- Publication: “Automated Error Correction and Validation for POS Tagging of Hindi”, ACL 2018, [Paper](#) Presented at PACLIC 32, Hong Kong
- Publication: “Kannada morpheme segmentation using machine learning”, IJET 2018, [Paper](#) Presented at ICCET 2018, Chennai
- First runner-up at Microsoft Bangalore for the annual hackathon
- Patent Filed for a NLP Feature through Microsoft
- On the Judge Panel for Smart India Hackathon 2020 hosted by Manipal Institute of Technology, India

LEADERSHIP/VOLUNTEER

Board Member of Cornell University’s Graduate Students for Gender Inclusion Committee, Co-Founder of Women at Cornell Tech, Management Committee Member for IECSE-Manipal Institute of Technology’s Official CS Club, Board Member and Mentor of Teach Code for Good, volunteer program teaching underprivileged children how to code in python, Mentor at Google’s Women Techmakers–Manipal Chapter, Writer and Sub-Editor of HR for MIT Post, official media body of Manipal Institute of Technology