

## EDUCATION AND COURSEWORK

### STONY BROOK UNIVERSITY

MS Computer Science, GPA: 3.87 / 4

Stony Brook, NY  
2019

- Concentrations in Data Science and Natural Language Processing
- 1 of 4 Research Assistants selected from a class of 200 for Professor Steven Skiena's Data Science Lab
- Teaching Assistant for Software Engineering for undergraduate students

### VIT UNIVERSITY

B.Tech. Computer Science, GPA: 9.22 / 10

Vellore, India  
2016

- 1 of 30 students from a class of 600 to score above 9.0 GPA in all the 8 semesters
- Student Mentor during Junior and Senior year to help students who scored below 50% in Assignments and Midterms

### UDEMY CERTIFICATE OF COMPLETION

Online

An Entire MBA in 1 Course [Certificate no: UC-c962590f-5b9e-4ccb-987c-86b12089a173]

- Taught by Chris Haroun | 1.5 Million Students | #1 Best Selling Business & Finance Prof. on Udemey

## EXPERIENCE

### Software Development Engineer / PM

Microsoft

April 2022 - Jan 2025

- Member of Azure L2O quotes team that deals with finances and discounts on bulk purchases for Azure products, with transactions up to \$100M
- As Program Manager, Assisted supervisor with tasks related to sprint planning and project management - creating deliverables, monitoring progress, and ensuring achievement of key targets
- As Software Engineer, Designed and built a solution with one engineer to enable customized offers for our partners, and completed the project within a tight deadline of 3 weeks, resulting in an additional \$1M+ of sales
- As a on-call engineer, collaborated cross-functionally to manage outages and ensure timely resolution of customer incidents

### Software Development Engineer

Amazon Alexa

March 2020 - April 2022

- Spearheaded the design and development of a platform for amazon scientists to train and evaluate their Machine Learning models offline, leading to a 75% increase in efficiency; iterated on documentation and presented the solution to senior leadership
- Led front end development of the Emergency Calling Service dashboard in Alexa Android app where customers can ask alexa to either call 911 or one of their emergency contacts during medical (or other) emergencies in the US. The dashboard is currently used by 40M Alexa users across the US
- Mentored 4 new joiners in the team, guiding them to take their first on-call duties within 6 months of joining (six months ahead of schedule)

### Associate Software Engineer

Numerify Inc.

June 2016 - June 2017

- Worked in Agile environment on a project that extracted data of over 10M users from diverse cloud sources using Java, then preprocessed and loaded it into a uniform location (S3 bucket) for analytics
- Shipped a new feature that helped improve time of the extraction pipeline by 20%.
- Acted as Scrum master for the team - organized standups, kept track of deliverables, and gave daily updates to higher management

### Software Engineering Intern - ML

Zebra Technologies

Jun 2019 - Aug 2019

- Indoor Positioning system to track misplaced android devices using fixed bluetooth beacons in stores, using Trilateration
- Trained a scikit-learn Logistic regression model using beacon data at different regions and hosted it using flask. This was used for making location predictions from the app. Used Google firebase to share the location across many devices

### Graduate Research Assistant

Data Science Lab, Stony Brook University

Jan 2019 - Dec 2019

- Worked under Prof. Steven Skiena to obtain insights about socio-economic factors & language patterns from 60 million public notices published in newspapers. Built a NER tagger using spaCy & Regex to extract info from first 10000 notices

## ACADEMIC PROJECTS

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### Entity based opinion summarisation (Prof. Niranjan Balasubramanian)

Aug 2019 - Dec 2019

- System to summarize author's opinion towards a target entity in a text such that overall sentiment is same. ([Tensorflow](#))

### Personality (Context) driven Chatbot (Prof. Niranjan Balasubramanian) <https://git.io/fphws>

Aug 2018 - Dec 2018

- Built a chatbot with reflections of human personality traits. First created a baseline model using transcripts of TV series *FRIENDS*, modelling our bot to speak like Ross. Finally, gave our own personality using fb-whatsapp chats. ([Keras](#), [nltk](#))

### Ranking Academic Papers and Authors (Prof. Steven Skiena) <https://git.io/fphwn>

Aug 2018 - Dec 2018

- Built a ranking metric based on sentiment analysis, page rank algorithm, topic modelling (using LDA), Graphs, and time series analysis to evaluate academic researchers and predict popularity of unpublished papers. ([Numpy](#), [Pandas](#), [LGB](#))

### Stackable file system to backup files (Prof. Erez Zadok)

Jan 2019 - May 2019

- Developed a stackable file system BKPFS which automatically takes backups of regular files and also provides a user level program to manage such versions/backups like list, view, delete or restore a specific version of file. ([Linux Kernel](#))

## ADDITIONAL

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- Have an educational youtube channel to spread knowledge about ancient Indian history and culture
- Interested in traveling and socializing with people from different cultures, learning about their history and languages, and trying out different food cuisines; Visited all continents except Antarctica
- Treasurer for the Indian Student Graduate Association (IGSA) at Stony Brook University; I helped organize events to celebrate and share Indian culture with the international community.
- Volunteered 20h/month for Youth For Seva India, went to orphanages for blanket distribution, taught classes to children in government schools and Planted saplings