

Curriculum Vitae

Education

- 2015–2019 **Amrita School of Engineering**, *Amrita Vishwa Vidyapeetham*, Kerala, India.
 - B.Tech in Computer Science and Engineering, First Class with Distinction
- Spring 2019 **Department of Engineering Sciences**, *Uppsala University*, Sweden.
 - Exchange Student

Professional Experience

- Aug 2019–Present **Bang the Table**, *Backend Developer*, Bengaluru, India.
- March–June 2019 **Weblify SE**, *ML Intern*, Stockholm, Sweden.
- July–Sept 2017 **Rails Girls Summer of Code**, *Project Intern*, Remote.

Projects

- Aug 2020 **A search engine in Python**, *A search engine that takes a query term as input and ranks relevant documents in the corpus. BeautifulSoup was used to scrape the webpages. Tf-idf method was used to rank the documents and cosine similarity was used to calculate the similarity between the query and each relevant document in the corpus.*
- Jun 2019 **Predictive Link Establishment for Media Independent Handover in Wireless Networks**, *This project uses an implementation of the IEEE 802.21(ODTONE) to understand the specification. Further, experimented with different machine learning algorithms to replace a approach used by the implementation to determine when the handover between different networks should take place. .*
- Dec 2018 **Reddit: Predict rating of posts**, *This project uses three variables to calculate the expected score of a Reddit post. The data regression techniques used are linear regression(multivariate) from scratch, ridge regression, random forest(used sci-kit learn library). Python libraries like numpy and pandas was used for data visualisation and computation.*
- May 2018 **Adult Census Income**, *This project profiles citizens of USA whose annual income is more than 50,000 USD based on certain parameters. Implemented logistic regression, K-Nearest Neighbours, Random Forest and Naive Bayesian and then performed K-fold cross validation and compared the accuracy of different models.*
- Dec 2017 **Sentiment Analysis on data collected using Twitter API**, *This project uses Twython for collecting tweets and Vader Sentiment to analyze the corpus. Experimented with the Facebook Graph Explorer API.*
- Aug 2017 **AFDC League Management System**, *This project was completed as part of Rails Girls Summer of Code 2017. The MailChimp API and the Gibbon gem was used to send newsletters. Sidekiq was used to implement sending newsletters as part of a background job.*

Competencies

- Coding in C++, Python, Ruby, HTML/CSS
- Frameworks Bootstrap, Ruby on Rails, Flask
- Software Docker, Git, Kubernetes(beginner)
- Languages Hindi, English, Malayalam(spoken), Japanese(beginner)

Hackathons

- Feb 2018 **APNIC IPv6 Hackathon, Nepal**, *Mapping usage of IPv6 networks using an interactive gaming interface*, The aim of this project was to encourage the use of IPv6 networks by introducing a game that follows the model of Pokemon Go.
- March 2018 **Rajasthan Hackathon 4, India**, *Sentiment analysis on data scrapped from hotel websites*, A web app to scrape the web for reviews of a particular hotel and perform sentiment analysis of the given data-set thereby providing a comprehensive report. This project was conceptualized to weed out the fake hotel reviews posted by hotels on websites to mislead travellers.
- April 2019 **Hack for Sweden, Stockholm**, *ConnectU*, The solution targets two demographics, the youth and the elderly. The elderly have life experience and the youth are in need of a mentor to guide them through challenges, be it in career or personal life. The older generation tends to get isolated from the rest of the community once they stop working. The prototype matches these two demographics on the basis of the careers, location and a host of other factors. The older generation has someone to share their rich life experiences with and the younger person has someone to guide them.

Articles Published

opensourceforu **Katoolin: Installing Kali Linux tools on a Debian based Operating System**

Awards/Scholarships

- Mar 2018 **WeTech Qualcomm Global Scholar** , The WeTech Qualcomm Global Scholars Program awards 40 scholarships to female university students in China, India, Taiwan, South Korea and matches each scholar with a mentor from a Qualcomm global or U.S. office in order to support and encourage young women to succeed in their chosen fields.
- Nov 2018 **Grace Hopper Conference India Scholar**, GHCI Scholarships are awarded to deserving female graduates in the final year of their degree course, post-graduate and PhD students from computing, engineering and IT backgrounds.
- Nov 2018 **Outstanding Achievements: 2017-2018**, Awarded by Amrita Vishwa Vidyapeetham, Department of Computer Science and Engineering for academic and professional excellence.