RAJAT BHATNAGAR

☑ Personal Website @ rabh7066@colorado.edu in https://www.linkedin.com/in/rajat-bhatnagar94

+1 650-505-6860

■ 1475 Folsom Street. 80302 https://github.com/rajatbhatnagar94

Boulder, Colorado, USA https://medium.com/@rajat.bhatnagar

EXPERIENCE

Software Engineering Intern Apple Inc.

June 2020 - August 2020

♥ Cupertino, CA, USA

- Designed and developed the database and apis for integrating server side OAuth 2 in Apple's internal website. Integrated it with confluence using Scriptrunner and user macros.
- Developed website using React js and Ag-Grid for managing service accounts.

Software Development Engineer

Fastfox - Acquired by Elara Group (Housing, PropTiger & Makaan)

June 2016 - July 2019

Q Gurgaon, India

- Designed, developed and maintained multiple key projects while working as a fullstack developer for this fast paced real estate startup
- Fastfox.com 🗹 Developed the front end of the main customer facing website from scratch using React is along with 3 team members
- Broex, Brofirst Designed and developed innumerable apis for these apps with focus on scalability and super low latency
- Whatsapp Bots Developed a bot which could perform various tasks on Whatsapp Chats like joining a group, extract messages from a group, extract group members and read all group names
- Named Entity Recognition Using the messages extracted from the above bot, converted the messages to structured information (using CRF algorithm) so that they could be posted as listings on the Broex app
- **Recommendation System -** Improved the recommendation system by adding geospatial and time based features. Implemented this in Solr
- Infrastructure monitoring Integrated Amazon Cloudwatch with the infrastructure. It monitored the infrastructure and raised alarms if any anomaly occurred
- Received Fastfox Excellence Award for best performance

PROJECTS

- Toxicity Classification Used BERT for classifying toxic comments in Reddit. Developed a website where the moderators can delete the toxic comments. Integrated with the several subreddits. Also highlighted the key tokens due to which the decision was made by the classifier. http://detoxify.machineintheloop.com , Youtube Video for Moderators 🗷
- Sniper () Made a system to prevent Denial of Service attacks by blocking the IP address of the attacker. Technologies used - docker, nginx plus, elastic search, elastalert, kibana, filebeats https://youtu.be/d72DzrDAfFM
- A survey of Neural Machine Translation for low-resource languages.
- Paper publication on MapReduce Based Frequent Itemset Mining Algorithm on Stream Data ☑ in GCCT 2015.
- Paper (unpublished) on A study of behaviour of imbalanced data using SMOTE, Fuzzy Inference System and Random Forest 🖸
- Published Windows Mobile Apps and Windows Desktop Apps -Integration+, My Dictionary, VIT Academia and My Today's Horoscope. Also published a Microsoft Office app Text Case Converter

EDUCATION

MS in Computer Science -Specialization Intelligent Systems University Of Colorado Boulder, USA

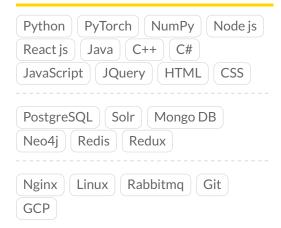
Aug 2019-May 2021 | 4.0 / 4.0

Subjects - ML, NLP, Data Center Scale Computing, Deep Learning, Algorithms, Human-Centered machine Learning

B.Tech in Information Technology Vellore Institute of Technology, Vellore,

May 2016 | 8.63 / 10.0

SKILLS



AFFILIATIONS

Microsoft Student Partner **Vellore Institute of Technology**

🛗 April 2014 - April 2015

One of the three MSP for that period in the college. Promoted Microsoft Technologies and organized workshops for teaching windows app development

INTERESTS

- Natural Language Processing
- Machine Learning
- Human Computer Interaction (HCI)
- Cognitive Science