Chaitanya Bapat (Chai)

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Seeking Full Time for Fall 2019

EDUCATION

Georgia Institute of Technology, Georgia, USA   **Expected May 2019**
Master of Science in Computer Science, Specialization – Machine Learning

University of Mumbai, India   **May 2017**
Bachelor of Engineering in Computers with *Distinction*   (CGPA 8.41/10)
Relevant Courses – Data Structures, Operating Systems, Computer Architecture, Analysis of Algorithms, Software Engineering

SOFTWARE SKILLS

- Programming Languages: C, Python, Java
- Big Data frameworks: Apache Hadoop, Apache Spark, Pachyderm
- Cloud: AWS S3, EC2, Lambda, Redshift, ECS
- Data Visualization: D3.js, Tableau
- Databases: MySQL, Oracle SQL, MongoDB, DynamoDB, Cassandra
- Web Technologies: HTML5, CSS3, JavaScript, PHP7, JQuery, AJAX, Django

PROFESSIONAL EXPERIENCE

Amazon.com Inc   **Sept 2018 – Dec 2018**
Deep Learning Intern – Amazon Web Services

Verizon Connect, Atlanta   **May 2018 – Aug 2018**
Software Engineer Intern – Research and Development
- Developing Docker-containerized microservices, hosted on AWS, for telematics solutions using Java to migrate away from monolithic architecture
- Performing log data analysis using Splunk Enterprise of the various performance metrics for DevOps

Georgia Institute of Technology, Atlanta   **Aug 2017 – May 2018**
Graduate Research Assistant – Center for 21st Century Universities (C21U)
- Built a decentralized app. (dApp) for academic credential management using Solidity on Ethereum blockchain
- Researched on the best practices for Massive Online Open Courses (Udacity and Coursera) and Vertically Integrated Programs
- Analyzed and evaluated the performance of Online platforms vs On-Campus for CS1201 course

Nexchanges Marketplace Private Limited, Mumbai   **May 2016 – Dec 2016**
Data Science Intern - Technical Department
- Spearheaded the team completing 10 Web Scrapers hosted on Scrapy Cloud which have extracted more than 10 million data points from 7 online real-estate platforms across a period of 2 months
- Implemented spatio-temporal clustering for predicting real-estate prices for 5 Mumbai zones using Apache Spark and MLlib

Quickwork Technologies Private Limited, Mumbai   **May 2015 – Dec 2015**
Software Developer Intern- Engineering Department
- Developed mobile application using Java and TeamChat Client SDK based on messenger bots where all transactions and interacts are fortified by Natural Language Processing and Artificial Intelligence
- Handled the backend of the entire application in MongoDB, a NoSQL document-oriented database

ACADEMIC PROJECTS

Rapport – Interactive, Patient-centered Radiology Reports   **Aug 2017 – Dec 2017**
- Annotating reports with Lay Language definitions using Natural Language Processing (Apache cTAKES)
- Visualizing 3D human body models using BioDigital API for explaining complex anatomical concepts

Smart Locks Re-engineered: Securing IoT devices using Cryptography and Steganography   **Aug 2016 – May 2017**
- Designed the Smart Lock using the Raspberry Pi 3 Model B, capable of ensuring secure locking system
- Re-engineered **BLE protocol** to mitigate the vulnerabilities like Man-in-the-Middle attack
- Research paper published by Springer in **Communications in Computer & Information Science Series(CCIS),** ISSN: 1865:0929

Skin Image Recognition using RGB, HSV, YCbCr models   **Jan 2016 – Dec 2016**
- Designed an algorithm for identifying skin pixel from non-skin pixel using the RGB, HSV, YCbCr models
- Applied Linear Regression and Bayesian Classifiers for carrying out Segmentation of Skin Images
- Research Paper published in **Springer-Atlantis "AISR(ISSN1951-6851)"** book series, doi:10.2991/iccasp-16.2017.51

PERSONAL PROJECTS

Envitter (Environment-sensitive Twitter)
- Developed a social network-based solution to tackle environmental problems with Android application and Web dashboards

HelpCenter
- Built an Android application designed to keep track of patient's medications and meals using Reminders, Call and Notifications