

## EDUCATION

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- **Stony Brook University** Stony Brook, NY  
*Master of Science in Computer Science, Graduating Dec 2020* *Aug 2019 – Present*
  - Teaching Assistant for undergraduate course - Programming Abstractions
  - Fall '19 Courses: Data Science, Computer Vision, Natural Language Processing, Algorithms
  - Spring '20 Courses (Planned): Machine Learning, Big Data, Probability & Statistics
- **University of Mumbai, KJ Somaiya College of Engineering (KJSCE)** Mumbai, India  
*Bachelor of Engineering in Information Technology; Agg: 72.9%* *Aug 2011 – May 2015*

## RECENT COURSEWORK HIGHLIGHTS

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- **Natural Language Processing:** Sentiment analysis using DAN and GRU, Dependency Parsing using Neural Networks, Relationship Extraction using GRU and CNN.
- **Data Science:** Predicting Elo ratings of Chess players.
- **Computer Vision:** Image Stitching, Scene Recognition using CNN, Video Classification using LSTM, Pose Estimation using Neural Networks.

## PROFESSIONAL EXPERIENCE

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- **JP Morgan Chase & Co.** Mumbai, India  
*Application Developer/Associate* *May 2017 - Jul 2019*
  - **Migration to Web UI (REST/WebSockets):** Re-architected server-side services to support web based user interfaces for streaming real time data using WebSockets. Improved performance using smaller payload sizes and loadbalancing requests across cluster of replicated services.
  - **Latency Monitoring:** Developed non-intrusive ways to gather, store, visualise and analyse metrics for latency across backend services to identify bottlenecks and performance improvement options.
  - **Database Integration Framework:** Designed and built a generic framework to make database integration and migration to new database technologies easier & faster.
- **LiveFiesta Pvt. Ltd.** Mumbai, India  
*Lead Android Developer* *Jun 2016 - Jan 2017*
  - **Consumer Application:** Designed and developed Android application for customers to book tickets to various events across the country. Technical features included payment gateway integration, push notifications, deep linking, Google Analytics. Leveraged MVP Architecture pattern along with design principles like dependency injection and others for clean, testable and maintainable code.
  - **Utility Applications:** Developed utility application to redeem tickets for convenient one-time entry to customers. It reduced entry time, shortened queue lengths and cut losses due to ticket duplication and un-tracked re-entrants.
- **TechGenium** Mumbai, India  
*Software Developer & Partner* *Jun 2015 and May 2016*

Developed mobile and web-based products addressing specific needs of small and medium scale businesses.

## PUBLICATION

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- **Visualization of Mechanics Problems based on Natural Language Processing** Mumbai, India  
*International Journal of Computer Applications* *Apr 2015*

## PERSONAL PROJECTS & ACHIEVEMENTS

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- **HoldingWilley (iOS App) 🍏**: Developed iOS app for Kustard Technologies Pvt. Ltd. that fetches real time scores for cricket matches around the globe and shows ball by ball updates, full score card and commentary.
- **GATE**: Stood 923rd (top 1%) in national level exam, Graduate Aptitude Test in Engineering (2015), among more than 115,000 students in Computer Science.
- **Smart Home Solution 🏠**: Android application to control electrical appliances remotely over the internet received 1st prize under category ‘Sustainable Development‘ at Prakalpa 2014, KJSCE.
- **WaveView 🌊**: A simple open-source Android library for drawing and animating sinusoidal waves.
- **MOOCs**: Completed a specialization in Mathematics for Machine Learning and other courses on Python Fundamentals, Interactive Programming in Python, Game Programming in C# and Android Programming.

## TECHNICAL SKILLS

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- **Programming Languages**: Proficient in Java & Python , experience with Swift, C, C++, HTML, CSS, JS
- **Database Technologies**: MongoDB, SQLite, MySQL
- **Frameworks & Tools**: Spring, Android, iOS, Jupyter Notebooks, TensorFlow, PyTorch, Angular, L<sup>A</sup>T<sub>E</sub>X, Kafka, Zookeeper, Gradle, Maven, Elastic, Logstash, Kibana, Git

This resume was updated on December 22, 2019. Latest version of my resume can be found [here!](#)