




# Narayan Acharya

/narayanacharya6 /narayan-acharya /narayanacharya.com

narayan.acharya6@gmail.com

+1 (631) 307 6395

## EDUCATION

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- **Stony Brook University** Stony Brook, NY  
*Master of Science in Computer Science, Graduating Dec 2020, GPA: 3.8/4.0* Aug 2019 – **Present**
  - Teaching Assistant for undergraduate course - *Programming Abstractions* (Fall '19).
  - Course Work - *NLP*: Detecting toxicity in online conversations using Deep Learning, Relationship Extraction using Neural Nets, Sentiment Analysis, *Data Science*: Predicting Elo ratings of Chess players, *Computer Vision*: Action Recognition using LSTM, Pose Estimation, Scene Recognition using CNN.
- **University of Mumbai** Mumbai, India  
*Bachelor of Engineering in Information Technology; GPA: 3.9/4.0* May 2011 – May 2015



## 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 (~70% smaller) and boosted reliability with **micro-services architecture**.
  - **Latency Monitoring**: Developed non-intrusive ways to gather, store, visualize and analyze metrics using ELK for latency across services to identify bottlenecks and performance improvement options.
  - **Compliance Reporting**: Developed data collection mechanisms to track and compare client portfolio before and after trades, for reporting over REST APIs to compliance teams.
  - **Automated Performance Testing**: Implemented automated performance testing using in-house CI/CD and build tools to reduce developer intervention and save at least **4 man-hours/release cycle**.
- **LiveFiesta** 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. Leveraged **MVP** architecture & **TDD** for clean testable code.
  - **Utility Applications**: Developed utility application to redeem tickets for convenient one-time entry to customers reducing entry time by **50%** and cut losses due to ticket duplication & untracked re-entrants.
  - **App Design**: Designed initial version of the app using **UI/UX** principles, iconography, & typography.
- **TechGenium** Mumbai, India  
*Software Developer & Partner* Jun 2015 – May 2016  
Developed mobile and web-based products addressing specific needs of small and medium scale businesses.

## PERSONAL PROJECTS & ACHIEVEMENTS

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- **GATE**: Among top 1% in Graduate Aptitude Test in Engineering (2015) exam organized by IIT & IISc.
- **HoldingWilley (iOS App)** : Developed iOS app for displaying real-time scores of cricket matches.
- **WaveView** : An open-source Android library for drawing and animating sinusoidal waves.
- **MOOCs**: Mathematics for Machine Learning, Interactive Programming in Python, Game Dev in C#.

## 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, OpenCV, Angular, Pandas, Numpy,  $\text{\LaTeX}$ , Kafka, Zookeeper, Gradle, Maven, Elastic, Logstash, Kibana, Git

This resume was updated last on January 6, 2020. Latest version can be found at [bit.ly/358iDar](https://bit.ly/358iDar)