Narayan Acharya

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EDUCATION

- **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   *Aug 2011 – May 2015*

PROFESSIONAL EXPERIENCE

- **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 load-balancing requests across cluster of replicated micro-services.
  ○ **Latency Monitoring**: Developed non-intrusive ways to gather, store, visualise and analyse metrics using ELK for latency across backend services to identify bottlenecks and performance improvement options.
  ○ **Compliance Reporting**: Developed data collection mechanisms to track and compare client portfolio before and after trade, for reporting 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 per 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 testable & maintainable 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 & un-tracked re-entrants.
  ○ **App Design**: Designed initial version of the app based on UI/UX principles, iconography & typography.

- **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.

PERSONAL PROJECTS & ACHIEVEMENTS

- **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 **: A simple open-source Android library for drawing and animating sinusoidal waves.

TECHNICAL SKILLS

- **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, LaTeX, Kafka, Zookeeper, Gradle, Maven, Elastic, Logstash, Kibana, Git

This resume was updated last on December 31, 2019. Latest version can be found at *bit.ly/358iDar*