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 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 with an average rating of **4.5+** for customers to book tickets to events using **MVP** architecture & **TDD** for 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

- **GATE**: Ranked top 1% in India in Graduate Aptitude Test in Engineering (2015) exam organized by IIT.
- **HoldingWilley** : Developed iOS app for displaying real-time scores, stats and analysis 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

- **Programming Languages**: Proficient in Java & Python, experience with Swift, C, C++, HTML, CSS, JS
- **Database Technologies (SQL, NoSQL)**: 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 January 11, 2020. Latest version can be found at *bit.ly/358iDar*