Narayan Acharya

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EDUCATION

- **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).
  - Fall '19 Courses: Data Science, Computer Vision, Natural Language Processing, Algorithms.
  - Spring '20 Courses (Planned): Machine Learning, Database Systems, 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*

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 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.
  - **Utility Applications**: Developed utility application to redeem tickets for convenient one-time entry to customers. It reduced entry time by 50%, 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.

PERSONAL PROJECTS & ACHIEVEMENTS

- **GATE**: Among top 1% in national level exam, Graduate Aptitude Test in Engineering (2015), among more than 115,000 students in Computer Science.
- **HoldingWilley (iOS App) **: Developed iOS app for Kustard Technologies Pvt. Ltd. for real time scores of cricket matches. App developed in under 1 month with no prior experience of the iOS framework.
- **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, Angular, LaTeX, Kafka, Zookeeper, Gradle, Maven, Elastic, Logstash, Kibana, Git

This resume last was updated on December 23, 2019. Latest version of my resume can be found here!