




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).
 - Courses: Data Science, Computer Vision, NLP, Algorithms, Machine Learning, Probability & Stats.
- **University of Mumbai** Mumbai, India
Bachelor of Engineering in Information Technology; GPA: 3.9/4.0 Aug 2011 – May 2015

RECENT COURSEWORK HIGHLIGHTS

- **Natural Language Processing:** Sentiment analysis using DAN & GRU, Dependency Parsing using Neural Nets, Relationship Extraction using GRU & CNN. Detecting toxicity in comments using Bi-GRU & BERT.
- **Computer Vision:** Image Stitching using keypoint detection, Scene Recognition using Convolutional Neural Networks, Video Classification using RNN(LSTM), 3D Pose Estimation using Deep Learning.

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.
 - **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.
- **TechGenium** Mumbai, India
Software Developer & Partner Jun 2015 – May 2016

PERSONAL PROJECTS & ACHIEVEMENTS

- **Publication:** *Visualization of Mechanics Problems based on Natural Language Processing* in International Journal of Computer Applications (2015).
- **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.
- **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
- **Frameworks & Tools:** Spring, Android, iOS, Jupyter Notebooks, TensorFlow, PyTorch, Keras, OpenCV, Pandas, Numpy, \LaTeX , Angular, Kafka, Zookeeper, Gradle, Maven, Elastic, Logstash, Kibana, Git

This resume was updated last on January 9, 2020. Latest version can be found at bit.ly/358iDar