

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, Big Data, Probability & Stats.
- **University of Mumbai** Mumbai, India
Bachelor of Engineering in Information Technology; GPA: 3.9/4.0 Aug 2011 – May 2015
 - Data Structures & Algorithms, Discrete Maths, Software Engineering, Object Oriented Analysis & Design



PROFESSIONAL EXPERIENCE

- **JP Morgan Chase & Co.** Mumbai, India
Application Developer/Associate May 2017 – Jul 2019
 - Re-architected server-side services to support web-based UI & streaming real-time data using WebSockets. Improved performance reducing payload sizes (~70% smaller) & reliability using micro-services.
 - Developed non-intrusive ways to gather, store, visualize and analyze metrics using ELK for latency across micro-services to identify bottlenecks and performance improvement options.
 - 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
 - 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.
 - 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

PUBLICATION

- **Visualization of Mechanics Problems based on Natural Language Processing** Apr 2015
International Journal of Computer Applications

PROJECTS & ACHIEVEMENTS

- Detected & classified toxicity in Wikipedia comments using Bi-GRU & BERT [AUC score of 0.98.]
- Achieved F1-score of 0.62 for Relation Extraction task on reduced subset of SemEval-2010 Task 8 dataset.
- Predicted Elo ratings of chess players using only moves played with a Mean Absolute Error of only 163 using regression techniques over novel features extracted.
- Used Deep Learning and Transfer Learning for visual scene recognition task with CNN with 89% accuracy.
- Accomplished video classification on UCF101 dataset using LSTM and SVM with an accuracy of 85%.
- **HoldingWilley** : An iOS app for displaying real-time scores, stats & analysis of cricket matches.
- **WaveView** : An open-source Android/Java library for drawing and animating sinusoidal waves.

TECHNICAL SKILLS

- **Languages:** Proficient in Python & Java, experience with Swift, C, C++, HTML, CSS, JS, SQL
- **Database Technologies:** MongoDB, SQLite, MySQL
- **Frameworks:** TensorFlow, PyTorch, OpenCV, Pandas, Numpy, Scikit-Learn, Spring, Android, iOS.
- **Build & CI/CD Tools:** Git, Gradle, Maven, Jenkins.