

## EDUCATION

- **K. J. Somaiya College of Engineering** Mumbai, India  
*Bachelor of Technology in Computer Engineering* Aug. 2014 – Current

## EXPERIENCE

- **Morgan Stanley** Mumbai, India  
*Summer Technology Analyst* May 2017 – July 2017
  - **Controller's Workbench:** Implemented a unique algorithm to store and retrieve hierarchical data to and from a relational database in a paginated fashion which led to a drastic improvement in the performance of the application under huge stress.
- **L. V. Prasad Eye Institute** Hyderabad, India  
*LVP-MITRA Research Fellow* Jan 2014 – Oct 2016
  - **Pediatric Perimeter:** Worked on the software and hardware of the device
  - **Gaze Tracking:** Was mentor of the Gaze Tracking project at the 'Engineering the Eye' Hackathon 2016. Implemented unique Image Processing and Machine Learning algorithms to achieve the same.

## PROJECTS

- **Automated Gait Generation for Simulated Machines(*Ongoing*):** Project to generate gait for simulated machines with no external input using only Deep Reinforcement Learning.
- **Couponate - Automating Coupons:** A product that parses your text messages and emails for coupons / vouchers using entity extraction and adds them to your account, allowing you to share them with your friends and family. Created with a Rails backend, Android application and Chrome extension. Made at KJSCE Hackathon.
- **Controller's Workbench:** A visualisation tool for financial data written in C# which stored and retrieved hierarchical data from a relational database in a paginated fashion. Worked on while at Morgan Stanley.
- **Pediatric Perimeter:** A first of its kind device to measure the visual fields of infants to detect defects and help provide early stage medical aid. Created at L. V. Prasad Eye Hospital in collaboration with MIT Media Labs.

## CERTIFICATIONS

- **Machine Learning, Stanford University:** [bit.ly/ml-certificate](http://bit.ly/ml-certificate)
- **Neural Networks and Deep Learning, deeplearning.ai:** [bit.ly/dl1-certificate](http://bit.ly/dl1-certificate)
- **Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization, deeplearning.ai:** [bit.ly/dl2-certificate](http://bit.ly/dl2-certificate)
- **Structuring Machine Learning Projects, deeplearning.ai:** [bit.ly/dl3-certificate](http://bit.ly/dl3-certificate)

## POSITIONS OF RESPONSIBILITY

- **Committee Head, KJSCE Codecell** Mumbai, India  
*Led a team of 11 members to conduct various seminars and workshops for fellow students* July 2016 – May 2017
- **System Administrator, Engineering The Eye Hackathon** Hyderabad, India  
*Was responsible for network security during hackathon which had 150 plus participants* July 2016

## COMPETITIONS

- **KJSCE Hackathon** Mumbai  
*4<sup>th</sup>/30 teams* October 2017
- **ACM ICPC Asia Regionals** Chennai  
*73<sup>rd</sup>/867 teams* Dec 2016
- **ACM ICPC Asia Regionals** Amritapuri  
*219<sup>th</sup>/1981 teams* Dec 2016
- **DJSCE Code Uncode** Mumbai  
*3<sup>rd</sup>/200 participants* Feb 2016

## PROGRAMMING SKILLS

- **General Purpose Languages:** C / C++, Java, Python3, C#
- **Web Technologies:** HTML / CSS, Javascript, Typescript, PHP, SQL, Angular, Django
- **ML / DL Frameworks:** Tensorflow, Keras, Pytorch, Scikit-learn