

Aditya Sataalkar

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EDUCATION

NEW JERSEY
INSTITUTE OF TECHNOLOGY
MS IN COMPUTER SCIENCE
Dec 2016 | Newark, NJ

UNIVERSITY OF PUNE
BS IN INFORMATION TECHNOLOGY
2011 - 2014 | India

UDACITY : SELF-DRIVING
CAR ENGINEER
NANO DEGREE

3D WORK

<https://web.njit.edu/~ars75/3dwork/>

LINKS

[Github.com/ars75](https://github.com/ars75)
[LinkedIn.com/in/adityasatalkar](https://www.linkedin.com/in/adityasatalkar)
[Hackerrank.com/adityasatalkar](https://hackerrank.com/adityasatalkar)

CERTIFICATIONS

Microsoft Certified Professional
Microsoft Technology Associate

SKILLS

PROGRAMMING

Java • C/C++ • Python
Familiar
Android

WEB TECHNOLOGIES

HTML • CSS • PHP • JavaScript
Bootstrap • WordPress • jQuery

DATABASES

SQL • MySQL • MongoDB • NoSQL
Oracle 11g • SQLite • IBM DB2

HARDWARE

Arduino • Raspberry Pi

EXTRA CURRICULAR

- Zipcar NJIT Brand Ambassador
Aug 2015 – Present | NJIT, NJ
- Rotaract Club of Pune Sarasbaug,
Charter President
May 2013– May 2014
- Chief Editor of College Magazine
"Kshitiz" and College Treasurer
June 2012 - May 2014

R&D : SELF DRIVING CARS & ML

LANE GUIDING FOR SELF DRIVING CARS TECHNOLOGIES USED : PYTHON, OPENCV

Developed a python script which takes input in the form of a video. The program identifies the lanes on to the road and superimposes virtual lane lines on the output video. Developed using Computer Vision techniques and uses OpenCV, Hough Transform and Canny Edge Detection.

TRAFFIC SIGN CLASSIFIER

USED : PYTHON, TENSORFLOW, AWS GP2 INSTANCE, DEEP LEARNING
Used deep neural networks and convolutional neural networks to classify traffic signs. Specifically, trained a model using machine learning and LeNet to classify traffic signs from the German Traffic Sign Dataset using TensorFlow GPU support. 90% Accuracy achieved in understanding traffic signs.

EXPERIENCE

APPRENTICE FS, INC. | **AR SOFTWARE ENGINEER** | JERSEY CITY, NJ
TECHNOLOGIES: SHELL, AWS S3, JAVA, ANDROID, GIT, JIRA, POSTMAN, REST API, MONGODB, TDD, JSON, BLENDER

Optimized an existing Android app that uses OCR along with Machine Learning to convert Handwritten text to plain text and stores to log file on AWS with user's profile. Automated tasks on AWS S3 using shell and logs stored locally on CSV file. Developed RESTful API using MEAN Stack. Developed Android AR Apps for Vuzix M300 smart-glasses following TDD, DRY principle and MVP framework. Optimized the app to lessen battery usage and calls to the network by prefetching content using custom Cache manager. Also developed 3D models using Blender.

STUD-E-BUDDIES | **CTO** | NEW YORK, NY

TECHNOLOGIES : AWS, S3, HTML, CSS (BOOTSTRAP), PHP, JAVASCRIPT, JQUERY, SKETCH, ADOBE MUSE, SENELIUM, A/B TESTING , SEO, GOOGLE ANALYTICS, IOS SWIFT, TENSORFLOW, GIT, PYTHON, JSON

Designed & developed the start-ups's website and tested it using Selenium. The website was then hosted on AWS. Managed a team of developers remotely and worked closely with the CEO. Also led the team in building the company's first AI chat-bot using Watson API.

THE NEIGHBORHOOD | **LEAD FULL STACK DEVELOPER** | NEW YORK
TECHNOLOGY : HTML, CSS (BOOTSTRAP), JAVASCRIPT, MOBILE PAYMENT

Designed and developed the start-up's first e-commerce website from scratch using Bootstrap with POS and monthly subscription model using Shopify, Stripe and ReCharge APIs. Developed a backend system to track data analytics. Performed test cases on the website using Selenium & A/B testing. Developed company's first iOS & Android app using Shopify's Mobile Buy SDK and the UI is designed using Sketch 3 and Adobe InDesign.

PERSISTENT SYSTEMS LIMITED | **SOFTWARE DEVELOPER INTERN**
TECHNOLOGIES : SELENIUM, TESTNG, JAVA, XML, JUNIT, XPATH

Led a team of four. Designed & developed an industry standard Platform Independent Test Automation Framework. The software carried out test cases and generated test reports that were submitted to engineering management team. Development of this framework resulted in net savings of \$7000 in software licenses.