

EDUCATION

New York University, Tandon School of Engineering, New York, NY. **May'17**

Master of Science, Computer Science (3.5)

Coursework: *Analysis of Algorithms, Cloud Computing, Big Data, Distributed System, Database System, Machine Learning.*

Anna University, Chennai, India.

Apr'13

Bachelor of Engineering, Computer Science (3.7)

TECHNICAL SKILLS

- **Languages:** Python; Java; JavaScript - AngularJS, Node.js, D3.js.
- **Database:** MySQL; DynamoDB; MongoDB; PostgreSQL.
- **Frameworks & Tools:** Hadoop; Spark; Spring; Hibernate; Django; Flask; AWS; Kafka; Jenkins.

WORK EXPERIENCE

Software Engineer **Radiator Labs, New York, NY** **Sep'15 - Aug'16**

- Developed an application to extract and analyze real-time information on energy consumption, and the statistical and graphical representation of that data.
- Designed and implemented API logic for operational services that automated the business workflow, increasing productivity.
- Calculated that the energy consumption was reduced by 35%, by measuring the efficiency of the radiators in terms of temperature distribution and heat loss through machine learning algorithms, based upon various plots and conditions.
- Technologies Used: Python, AngularJS, Node.js, AWS- DynamoDB, SNS, Kafka, Scikit-learn.

Analyst System Developer **Verizon Communication, India** **Sep'13 - Jul'15**

- Designed and developed Portlets, Security Model and Business Object Reporting for Portfolio Management in Clarity tool.
- Reduced load time and user clicks in VZWeb by redesigned user interface and application architecture.
- Used Factory Design Pattern to create a controller that consolidates data from three different portfolios into a single release tracking tool for One-Billing plan under Verizon Finance.
- Technologies Used: Java Spring, SQL, Selenium, Clarity, JavaScript, Angular JS.

Software Developer **Daddyspocket.com, India** **Nov'11 - Jan'13**

- Designed and developed the entire back-end architecture of an e-commerce application which was a one-stop marketplace for small-scale fashion designers and micro-manufacturers.
- Implemented deal notification add-ins, blog integration, and product categorization.
- Technologies Used: Java, Spring, Hibernate, Python, MySQL, JavaScript, jQuery, Bootstrap.

PROJECTS

Truthy – Bot or Not? **Mar'17 - Ongoing**

- Checks the activity of a Twitter account and gives it a score based on how likely the account is a Bot.
- Features: Random Forest, Adaboost, Logistics Regression, K-Nearest Neighbor, SVM, Multinomial Naïve Bayes.
- Tools and Technologies: Python- NumPy, pandas, Matplotlib, Scikit-learn.

Distributed Auction System **Dec'16- Feb'17**

- Built a distributed system to conduct real-time auction for services (car rental, hotel rental etc.) and products.
- Implemented independent clusters for each type of service and for RESTful communication pattern between components.
- Tools and Technologies: Java, Apache Thrift, MongoDB, Zookeeper.

Stroll (crowdsourcing app) **Oct'16 - Dec'16**

- Facilitates common people to design authentic walking tours with crowdsourced reviews and photos, which can be used by anyone.
- Filters popular routes in the neighborhood with unique features like user photos, ratings and comments.
- Tools and Technologies: AWS –Elastic Search, DynamoDB, SNS, SQS, S3, EMR, Kafka, Spark.

Manhattan Nest **Jul'16 - Aug'16**

- A map visualization tool for housing recommendation in Manhattan.
- Used machine learning regression model to recommend best suited houses, extracting certain information from Yelp API.
- Analysis factors include cost of living, crime rate, nightlife, and proximity to subways, hospitals and restaurants.

Predictive Analysis on Citi Bike Users **Feb'16 - May'16**

- Developed an analytics application to categorize users in order to facilitate targeted advertising, which helps in market strategy redesign and in driving revenue.
- Features: Google estimate analysis, bike rebalancing, boroughs distribution, effect of subways and seasons.
- Tools and Technologies: Python, Java, Hadoop, MapReduce, Hive, D3, JavaScript.