

# Aviral Srivastava

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## EDUCATION

**Boston University**, Boston, Massachusetts, United States.

Sep 2019 - Present

- MS, Computer Science. Thesis: Tuning Query Processing in Key Value Databases

**Vellore Institute of Technology**, Chennai, Tamil Nadu, India.

Jul 2014 - May 2018

- B.Tech, Computer Science. CGPA : 8.34 / 10.00(relative)

## WORK EXPERIENCE

**Atlan (formerly known as SocialCops )**

Jul 2018 - Jul 2019

- Data Engineer
  - Designed and Built Data Repository(data versioning), platform for Serverless Data Streaming and platform for Serverless Data Processing.
  - Designed and built "Pallet Core": an internal tool built over Airflow to automate creation and maintenance of ETL pipelines.
  - Designed and built Jupyter Notebook collaboration in a data collaboration product.
  - Managed on-premise deployments of multiple projects like UNSDG, MoPNG, etc; scale: billions of rows per day.

**Bubble**

Apr 2017 - Apr 2018

- CTO and Co-founder.
  - Audience Engagement tools which enable digital media platforms to integrate social reactions with video or textual content.
  - Got featured on [IBM's developer blog](#) and selected in YC Startup School with Mentorship track.

**SocialCops**

May 2018 - Jun 2018

- Software Development(Backend) Intern
  - Built Woodward: An automating micro-service for pricing in [Collect](#)
  - Introduced Event Sourcing mechanism in Collect app for various business use cases.

**Wingify**

Dec 2017 - Mar 2018

- Software Developer Intern.
  - Built Segmenter Services for VWO and PushCrew: Used by 10k+ user accounts daily. It is used for transforming user's functions on the platform to the corresponding SQL queries, DSL trees, JS Code, etc.

**Commutatus**

Jun 2016 - Jul 2016

- Full Stack Developer Intern.

**LeagueSX**

Dec 2015 - Feb 2016

- Python/Django Backend Developer Intern.

## RESEARCH EXPERIENCE

**School of Computing Science**, University of Manchester

Sep 2017 - Aug 2018

- Data Science Research Intern.

**Data Science Lab, Computer Science**, University of Liverpool

May 2017 - Aug 2017

- Data Science Research Intern.

## PUBLICATIONS

- [A S/W R E Technique Using OOAD-RE and CSC for IoT Based Healthcare Applications](#) Jan 2018

## PROJECTS

- [ZCash Service Status Dashboard](#)
  - Healthcheck monitoring dashboard for [Zcash](#) External Services.
- [EEG Simulator](#)
  - Free Open Source EEG Simulator for Researchers.
- Self Driving Remote Control Car
  - A remote control car which is to be driven on a path for a few times via keyboard to make it learn the path and then it can drive itself without any human involvement(even remotely).
- Footfall Tracker
  - To track footfall for everyday inside mess and then based on the data calculated generate statistics.

## SKILLS AND INTERESTS

- **Development:** AWS Glue, Kubernetes, Airflow, Key-value databases viz Cassandra, RocksDB, etc; Celery, Hadoop, Spark, Redis, Memcache, Kafka, Django, OpenCV, Boost-Graph Library, Py-Test, Wordpress, Woo-commerce.
- **DevOps:** Vagrant, Git, Docker (Basic), AWS, Linux.

## VOLUNTEERSHIP

- **Love Heals Cancer:** Social Media Marketing, On-ground report verification.