

# Aviral Srivastava

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EDUCATION	<b>Boston University</b> , Boston, MA.	Sep 2019 - Dec 2020
	▪ MS, Computer Science. CGPA : 3.8/4	
	<b>Vellore Institute of Technology</b> , Chennai, India.	Jul 2014 - May 2018
	▪ B.Tech, Computer Science and Engineering. CGPA : 3.56/4	
SKILLS	▪ C++, Python, PHP, Spark, SQL, Dask, Kubernetes, Docker, Vagrant, Apache:(Airflow,Kafka,Pulsar), Celery, AWS & GCP (Data&DevOps), Cassandra, RocksDB, PrestoDB, KyotoDB, Redis, Django.	
WORK EXPERIENCE	<b>Boston University</b>	Sep 2019 - Present
	▪ Research Associate (Software Engineering) <ul style="list-style-type: none"><li>• With <a href="#">Dr Eric</a>, I am working on making UML diagrams scalable and reliable.</li><li>• Working on parsing large scale Python codebases and drawing the corresponding UML diagrams.</li></ul>	
	<b>Atlan</b>	Jul 2018 - Jul 2019
	▪ SDE <ul style="list-style-type: none"><li>• Atlan is a data democratization startup that helps data teams collaborate frictionlessly on data projects. As an SDE, I was responsible for three areas: Backend, Data and DevOps.</li><li>• Ensured the development and on-premise deployments of dashboards like <a href="#">United Nations SDGs monitoring</a>, <a href="#">Ujjwala Dashboard: A Gas subsidy for 50M Indian women below the poverty line; the first government program in India to surpass 22% of its annual target!</a></li><li>• Built and deployed serverless ETL processing and collaboration over Jupyter Notebooks. With this, multiple companies like Unilever, Mindshare, McKinsey &amp; Co. have their sales team, data team and product team collaborate easily using the APIs of Atlan workflow.</li><li>• Built and deployed Data Repository: a version control for data so that data teams can rollback to previous versions of data for fallback and analysis purposes. This scaled the production releases by 300%: 1 project release to 3 projects release per quarter.</li></ul>	
	▪ SDE Intern	May 2018 - Jun 2018
	• Built Woodward: A micro-service with Event Sourcing mechanism for pricing in <a href="#">Collect</a>	
	• Successfully converted my internship to full time.	
	<b>Wingify</b>	Dec 2017 - Mar 2018
	▪ SDE Intern <ul style="list-style-type: none"><li>• Wingify is a B2B software product company with clients like ebay, Disney, AMD, etc.</li><li>• It's product is VWO which is an experience optimization platform that improves key business metrics by empowering clients to easily discover insights, test ideas, and improve engagement.</li><li>• As an intern, I worked with Head of Engg, Ankit Jain, to build a micro-service which parses textual inputs into Domain Specific Language trees and JavaScript code.</li><li>• APIs of this microservice scaled query processing of the product by <b>60 percent</b>.</li><li>• Received the full time employment offer based on my performance during internship.</li></ul>	
	<b>School of Computing Science</b> , University of Manchester	Sep 2017 - Dec 2017
	• As an SDE(data) intern, I developed a Neural Mass Computational Framework to simulate EEG readings of the brain.	
	<b>Data Science Lab</b> , University of Liverpool	May 2017 - Aug 2017
	• As an SDE(data) intern, I Implemented Mapper algorithm in C++.	
ENTR EXPERIENCE	<b>Centify</b>   Co-founder, CTO	Apr 2017 - Apr 2018
	• Centify was an audience Engagement tool which enabled digital media platforms to integrate social media reactions with video or textual content. We were selected in YC School with mentorship track.	
	• Our work got featured in <a href="#">IBM</a> .	
PUBLICATIONS	▪ <a href="#">A Software Requirements Engineering technique for IoT Based Healthcare Applications</a>	Jan 2018
PROJECTS	▪ <a href="#">ZCash Service Status Dashboard</a> : A health-check monitoring dashboard for <a href="#">ZCash</a> .	
	▪ <a href="#">EEG Simulator</a> : tool to simulate EEG readings of brain.	
	▪ <a href="#">Self Driving Remote Control Car</a> : a collaborative autonomous driving bot.	
	▪ <a href="#">Footfall Tracker</a> : reduced food waste by predicting the number of students in campus dining.	