

Aviral Srivastava

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EDUCATION	Boston University , Boston, MA. Sep 2019 - Apr 2021 (Expected) <ul style="list-style-type: none">▪ MS, Computer Science. CGPA : 3.93/4 Vellore Institute of Technology , Chennai, India. Jul 2014 - May 2018 <ul style="list-style-type: none">▪ B.Tech, Computer Science and Engineering. CGPA : 3.56/4
SKILLS	<ul style="list-style-type: none">▪ Languages: Python, C++, PHP, Java, SQL▪ Technologies/Platforms: Spark, Dask, Kubernetes, Docker, Vagrant, Airflow, Kafka, Pulsar, Celery, AWS, GCP, Azure, Snowflake, Cassandra, RocksDB, PrestoDB, KyotoDB, Redis, Django.
WORK EXPERIENCE	Redhat, AI for Excellence , Incoming Data Engineering Intern May 2020 - Aug 2020 Boston University , Research Associate (Software Engineering) Sep 2019 - Present <ul style="list-style-type: none">• With Dr Eric, I am working on making UML diagrams scalable and reliable using complex codebases.• Stack: Python3, Java, AST, OOP Design and Analysis Atlan , SDE(Data) May 2018 - Jul 2019 <ul style="list-style-type: none">• Atlan is a data democratization startup that helps data teams collaborate frictionlessly on data projects.• Ensured the development and on-premise deployments of dashboards like United Nations SDGs monitoring, Ujjwala Dashboard using Python3, Kubernetes, Docker and AWS S3.• Created serverless JupyterHub: a multi-user hub that spawns, manages, and proxies multiple instances of the single-user Jupyter notebook server. Stack: papermill, Python3, Docker, Helm, Kubernetes. Used by companies like Unilever, Mindshare, McKinsey & Co.• Built and deployed Data Repository: a version control for data, including features like 'git diff', rollback, at a scale of over billion rows in one cycle. Stack: Python3, S3, RocksDB, KyotoDB, Hive metastore and PrestoDB. This scaled the production releases by 300%: 1 project release to 3 projects release per quarter.• Built a micro-service with Event Sourcing mechanism for pricing in Collect using Kafka, Python3, Docker. Wingify , SDE Intern Dec 2017 - Mar 2018 <ul style="list-style-type: none">• Wingify is a B2B software product company with clients like ebay, Disney, AMD, etc.• 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.• 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.• APIs of this microservice scaled query processing of the product by 60%.• Received the full time employment offer based on my performance during internship.• Stack: PHP, MySQL, CICD, Docker, Vagrant, Blackbox Testing, Unit testing, JMeter Centify Co-founder, CTO Apr 2017 - Apr 2018 <ul style="list-style-type: none">• 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, featured in IBM.
OPEN SOURCE	<ul style="list-style-type: none">▪ ZCash Service Status Dashboard<ul style="list-style-type: none">• Zcash is a crypto-currency aimed at using cryptography to provide enhanced privacy for its users compared to other crypto-currencies like Bitcoin.• Built a health-check service status dashboard to monitor the core ZCash blockchain, crypto exchanges, blockchain explorers and ZCash communities and forums.▪ EEG Simulator<ul style="list-style-type: none">• Developed the first tool to simulate EEG readings using Kinetic LGN model with Dr Basab. Scaled the experimental analysis by more than 50%.▪ Self Driving Remote Control Bot<ul style="list-style-type: none">• A collaborative autonomous driving bot to scale manual work in small-scaled factories.▪ Footfall Tracker<ul style="list-style-type: none">• Identified eating patterns in campus dining to significantly reduce food waste by prediction.
HACKATHONS	<ul style="list-style-type: none">▪ Medhacks: Developed brain's state(fear, fright, flight) simulation. Won the verbal mention.▪ Hackinout: Developed Chemical Component Detector in brain's thalamus.