# Education

## *New York University* | *Master of Science in Computer Science* *GPA : 4.0 / 4.0 |* *Expected May 2025*

## Recipient of a prestigious, merit-based scholarship of 6000 USD/year.

## *Visvesvaraya Technological University* | *Bachelor of Engineering in Information Science GPA : 3.83 / 4.0 | May 2017*

## Relevant Coursework*:* Design and Analysis of Algorithms, Data Structures, Software Engineering, Database Systems, Operating Systems, Computer Networks, OOPS, Probability and Statistics, Cloud Computing, Object-oriented Design, Machine Learning.

# Work Experience

***Flipkart Private Limited (Walmart owned) | Software Development Engineer*** *Feb 2023 – Aug 2023*

* Managed over 30+ highly scalable microservices as a backend engineer in the Incident Management Services team that ensures seamless post-order experience for 10 million+ Flipkart customers daily.
* Enhanced customer query resolution efficiency by 11% through strategic optimization of agent interventions based on varying agent profiles, resulting in a reduction of customer query volume and minimizing the need for countless customer follow-ups.
* Revamped the address change service for order deliveries, involving the optimization of 22 REST API endpoints and achieving a substantial 23% decrease in the 5xx error metrics and a 15% reduction in the 4xx error metrics.
  + Collaborated with five cross-functional teams on a critical automation initiative at Flipkart, aimed to empower the support team to create workflows without technical expertise and yield annual cost savings of one million dollars.

***Smarsh | Software Development Engineer*** *Jan 2021 – Jan 2023*

* Critical team member within the Data Migration Team, Orchestrated complex cross-cloud migrations for the top three highest revenue-generating customers, handling data volumes in the petabyte range; executed migrations flawlessly and with zero data loss.
* Spearheaded the redesign and implementation of a highly efficient and streamlined end-to-end reconciliation flow for migration apps, drastically reducing the reconciliation time from 3 months to a few weeks, thereby enhancing operational efficiency and enabling timely reporting.
* Pioneered the ideation and construction of two cutting-edge, scalable applications, overseeing end-to-end lifecycle from design to deployment across six production environments; achieved an exceptional lead time to production of under 2 hours, facilitating swift market entry.
* Built highly scalable jobs that automatically retried eligible failed transfers and made deletion scripts to automatically clear data on the source side post-migration reducing costs by 37%.
* Implemented compression for data transfer over the wire to reduce the cogs and network traffic by 20%.
* Leveraged Spring Batch to implement a retry job that reprocesses over 100,000 daily failed messages, leading to a 50%+ boost in migration speed.
* Enhanced APIs, documented contract changes on Stoplight, and resolved issues with global cross-functional teams in India and the US, reducing disputes by 80% while adhering to agile methods and ensuring compliance.

# Technical Skills

* **Programming Languages**: *C++, Core Java, Python, Golang, JavaScript(js), SQL, HTML, CSS* .
* **Tools and Frameworks**: *Spring boot, DropWizard, Django, GraphQL, JUnit, PyTest, ReactJs, Zookeeper, Athena, Lamda, Github, Postman, Splunk, Maven, Amazon Web Service, Data Dog* .
* **Database/Middleware**: *Cassandra, MariaDB, MySQL, MongoDB, DynamoDB, Redis, Elasticsearch, Kafka, S3 .*
* **CI/CD:** *Concourse, Jenkins, Pivotal Cloud Foundry, IBM Softlayer, Amazon Web Service, Google Cloud Platform, Kubernetes, Flow .*

# Projects

***Dining Concierge chatbot*** | ***Technologies****: AWS, EC2, Amazon Lex, Python, PyTest, Elasticsearch, DynamoDB, Lambda, SQS, SES, CloudWatch, JavaScript, HTML, CSS .*

* Engineered an intelligent serverless, micro-service driven Dining Concierge Chatbot that delivers real-time, personalized restaurant recommendations, enhancing user engagement and automating customer service workflows. Achieved seamless real-time communication by implementing queue-based messaging and automated email notifications.

***MediLink*** | ***Technologies****: Python, Django, MongoDB, JavaScript, HTML, CSS, Git, PyTest, AWS, Elasticsearch, s3, Elastic beanstalk .*

* Created a user-friendly healthcare website connecting New Yorkers with nearby hospitals and specialists for appointments and emergency assistance, offering remote consultations and a map of local healthcare facilities to enhance accessibility.

***Role-Based Access Control using Microservices*** | ***Technologies****: Spring Boot, Spring Gateway, Hystrix Cloud Circuit Breaker, Eureka Service Discovery .*

* Created a Role-Based Access Control System to manage user access within an enterprise using five microservices that seamlessly interact with one another and incorporate a robust fallback mechanism for enhanced reliability.

REST API, Spring MVC, Spring Batch, Microservices architecture, Git workflows, German, English. Amazon web services, JSON, Agile development, MacOS, Windows, Linux. ELK Stack, JPA, Software as a Service (SaaS), Representational State Transfer (REST), Big Data. large-scale distributed systems, Unix/Linux, SQL, NoSQL databases, Memcache/Redis, Effective communication skills and a sense of ownership and drive, HTTP/REST APIs, CRUD, Data Structures and Algorithms, big data, distributed systems, application development, communication skills, computer engineering, computer science, end-to-end, object-oriented programming, scalability, data-driven, software engineer, written, distributed, multi-tiered systems, algorithms, and relational databases. linear programming and nonlinear optimization algorithm design, data structures, problem solving, and complexity analysis