

Education

- **Virginia Tech, United States** 08/2022 - present
MEng Computer Science
- **Indian Institute of Technology Mandi, India** 2018
BTech Computer Science & Engineering 8.03/10

Skills

Languages: C++, Java, Python, SQL

Utilities: SpringBoot, Kafka, AWS, Git

Work Experience

- **SDE-2 — Flipkart, India** 02/2021 - 08/2022
 - Worked on platform as a service which different payment services could use for Transaction Lifecycle Management having features like entity-relationship, state-handling, etc
 - Setup a framework to run Component Tests and evaluate code coverage for every new pull request for our Payment Gateway(PG) Service
 - Built different scripts in python to perform load testing using locust on Flipkart and Partner Bank servers for BBD(Annual Sale) to replicate 100x customer traffic
- **Software Engineer — Grab, Singapore** 02/2020 - 12/2020
 - Worked on Food Delay Cover to issue vouchers by consuming Kafka streams and running background jobs to generate daily reports
 - Integrated with different services to build an internal portal to manage insurance policies
- **SDE-1 — OYO, India** 07/2018 - 10/2019
 - Designed and Implemented the microservice responsible for maintaining ledger of all transactions processed by the central system as part of redesign from monolith to microservice architecture
 - Developed a feature to automate the process of closing financial books at each month-end reducing the man-power of engineers from a week to 2 days

Academic Projects

- **BIOGAN:** As the BTech Major Project, added trained Siamese neural network to CycleGAN built in Tensorflow to convert fingerprints of one type to another. Biometric performance was evaluated
- **iitpipe Driver:** Implemented pipe functionality by building a device driver in kernel to pipe two programs with delay. Measured performance using different delay and buffer sizes

Relevant Coursework

Data Structures & Algorithms, Database Systems, Operating Systems & Networks, Probability Statistics & Random Processes, Pattern Recognition, Deep Learning

Achievements

- Mentored college graduates improve algorithmic skills at Scaler, India
- 3rd Position at Topcoder Hackathon'16 at IIT Mandi
- JEE Mains Rank: 630, JEE Advance Rank: 2878(among 1.5M candidates)