

EDUCATION

- **Stony Brook University** **Stony Brook, NY**
*Master of Science in Computer Science; GPA: 3.74**
Aug. 2019 – Dec. 2020
Coursework: Data Science, Distributed Systems, Algorithms, Databases, Computer Vision, NLP, Visualization
- **SRM University** **Chennai, India**
Bachelor of Technology in Computer Science; GPA: 3.81 (9.52/10.0)
Aug. 2011 – July. 2015
Coursework: Data Structures & Algorithms, AI, Data Mining, Image Processing, OS, Network Security

EXPERIENCE

- **Sony PlayStation** **San Diego, CA**
Software Engineer Intern
June 2020 - Aug 2020
 - **Vendor-Portal Service:** Designed a microservice on top of payment gateway that provides configuration to deliver a route to different vendors hosted on the gateway. Leveraged AWS Suite and Spring Boot.
 - **Chargeback API:** Proposed an orchestration flow to serve as a state machine for 'chargeback' functionality.
- **VISA Inc** **Bangalore, INDIA**
Software Engineer
Apr 2017 - Jul 2019
 - **Identity & Access Management:** Streamlined IAM systems, by optimizing usability, developing over OpenID (Forgerock), OAuth and Federation related workflows for a Tier-0 application, serving gateway to 100+ services.
 - **Enrollment Workflows:** Redesigned features in .NET for user login flows and service entitlement pipeline, easing resource creation with smart suggestions and throttling test coverage to 85%+.
 - **Stack Test Tool:** Facilitated an automated performance monitoring tool to test end-to-end flow for the app, and assess server health/performance bottlenecks of the application, saving 70% of the manual effort hours.*Systems Analyst*
Jul 2015 - Mar 2017
 - **Dev Environment:** Authored automation scripts for alert-monitoring and health checks; also set up IFTTT type rules to take self-healing actions based upon encountered issues, reducing manual effort hours by 50%.
 - **Jenkins Integration:** Managed 250+ Linux/Windows VMs for troubleshooting and deployment of infra/services
 - **Splunk Dashboards:** Visualized machine generated big data to check overall performance of various applications
- **Hasura** **Remote**
Product Development Fellow
Nov 2017 - Feb 2018
 - **AI Chatbots & Alexa Skill:** Implemented conversational AI bots for Facebook messenger platform. Also deployed voice skills which gathered over 200+ activations within a month of Go-Live.
 - **Cloud-Native Apps:** Gained hands-on experience in microservices & K8's clusters, while working with CNCF systems.

PROJECTS

- **Retail Sales Analysis:** Performed EDA on 1.7M records for hardware store. Used Apriori for market basket analysis, RFM for segmenting customers, T-SNE for grouping similar products and ARIMA model for time series forecasting.
- **Visa Exclusive Marketplace:** Designed a web-app for loyalty-driven project aimed at incentivizing VISA cardholders boost card payments, against exclusive offers/rewards, using VISA APIs, Facebook's OAuth2.0 auth and Graph API.
- **D3 Visualisation-COVID'19:** D3 Dashboard with flask backend to assess impact of Novel Coronavirus on the world
- **Restaurant Finder:** Delivered a full-stack application using Spring boot framework and React.JS backed by PostgreSQL DB. Configured REST endpoints using Hibernate ORM and documented API using SwaggerUI.
- **Passwordless Ultrasonic OAuth:** A new factor for passwordless authentication using ultrasound for data transfer. Uses QuietJS library which is an audio QR implementation for web browsers. Won Best Security Hack @CEWIT'2020

PROGRAMMING SKILLS

- **Languages:** Java, Python, Javascript, C++ **Technologies:** AWS, Docker, Kubernetes, Jenkins, Tableau, Git
- **Frameworks:** Spring Boot, Flask, TensorFlow, Pytorch **Databases:** SQL, LDAP, MongoDB, PostgreSQL