

**EDUCATION:**

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| NEW YORK UNIVERSITY, TANDON SCHOOL OF ENGINEERING - <b>MS, Computer Science</b>          | May 2020  |
| VELLORE INSTITUTE OF TECHNOLOGY, INDIA - <b>B.Tech, Computer Science and Engineering</b> | 2014-2018 |

**TECHNICAL SKILLS:****Languages**

Go, C, C++, JavaScript, Python

**Front-end Development**

HTML, CSS, React, Redux, Bootstrap, jQuery

**Back-end Development**

Node.js, PHP, Go

**Database**

SQL, Firebase, Mongoose, DynamoDB

**Cloud & Deployment:**

AWS, Docker, Kubernetes, Heroku

**Version Control:**

Git

**EXPERIENCE:****NYU IT – Student Tech Innovation Team****Oct 2018 – Present**

Student Software Engineer (HTML, CSS, JavaScript, React, Redux)

- Develop and maintain campus-wide web applications within the portfolio of NYU STIT, manage project progress and coordinate with other student developers. Current Project: Events Check-in - [eventscheckin.nyu.edu](https://eventscheckin.nyu.edu)
- Revamped the entire UI consisting of 100+ components and added modals to show progress of bulk database operations.
- Worked on accessibility testing and made the project WCAG 2.0 compliant.
- Implemented the mobile view which in turn was used by the hybrid mobile app.
- Removed multiple 3<sup>rd</sup> party library dependencies for styling

**Aliste Technologies Pvt. Ltd., India – 1yr 6 mos****Dec 2016 – May 2018**

Full Stack Software Engineer (C, HTML, CSS, JavaScript, Node.js, Express, MongoDB, AWS)

- Developed a RESTful Node.js server and designed a MongoDB schema for storing the mobile-app generated user data.
- Worked with the hardware and the mobile app team to successfully set up communication between NodeMCU (esp8266) Wi-Fi module, the server, and the mobile app.
- Developed schemes to handle offline requests which reduced response lag.
- Improved the device onboarding procedure to enable syncing of multiple devices at once.
- Led a team of 3 people (including 1 designer) to build the company website - [alistetechnologies.com](https://alistetechnologies.com), from scratch.

**Venus Hotelware Pvt Ltd, India – 6 mos****Nov 2017 – Apr 2018**

Freelance Developer (HTML, CSS, JavaScript, React.js)

- Developed a web catalog for 3000+ products divided into 8 categories – [tinyurl.com/r2ofpwy](https://tinyurl.com/r2ofpwy)
- Organized the client provided data and produced a schema for efficient storage and extraction.

**National Informatics Center, India – 3 mos****Jun 2017 – Aug 2017**

Software Engineer Intern (HTML, CSS, JavaScript, Bootstrap, ArcGIS)

- Worked with the ESRI's ArcGIS JavaScript API for a utility mapping project
- Implemented layer swipe feature on the base map to switch between the following views - Satellite, Topo, Grayscale, Street.

**Circuitstock.com – 6 mos****Jun 2016 – Dec 2016**

Full Stack Software Engineer (HTML, CSS, JS, Bootstrap, PHP, SQL)

- Developed a web application for purchase of electronic components.
- Used Facebook's PHP SDK 5.0 for user authentication. Set up an email notification system to notify customers about their invoice, order confirmation, and pick up availability.
- Implemented a loyalty point system which enabled a registered user to avail discounts on subsequent orders.

**PROJECTS & OTHER EXPERIENCE:**

- mini-twitter – Distributed Systems, NYU **Apr 2020**
  - Developed a server side rendered twitter-like web application using Go.
  - Converted monolith server to microservices using gRPC and protocol buffers.
  - Implemented primary backup replication using etcd.io's Raft implementation.
- Wrote two open source npm packages for use with React.js
  - React-datetime-selector - [npmjs.com/package/react-datetime-selector](https://npmjs.com/package/react-datetime-selector) **Oct 2019**
  - React-wheelpicker - [npmjs.com/package/react-wheelpicker](https://npmjs.com/package/react-wheelpicker) **Oct 2019**
- Other fully owned freelance projects:
  - Jan Brown & Associates - [janbrownassociates.com](https://janbrownassociates.com) **Sep 2019**
  - Adi Developers - [adidevelopers.in](https://adidevelopers.in) **Jan 2018**