

# Avinash Sivaraman

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## EDUCATION

**ARIZONA STATE UNIVERSITY**  
MASTERS IN COMPUTER SCIENCE  
Present - May 2020 | AZ, US

**ANNA UNIVERSITY**  
BTECH IN INFORMATION  
TECHNOLOGY  
Completed Dec 2016 | Chennai,  
IND  
Cum. GPA: 8.9/10.0

## LINKS

Github:// [avinashsivaraman](#)  
LinkedIn:// [avinash-sivaraman](#)  
Twitter:// [@AvinashSivaram](#)

## COURSEWORK

### GRADUATE

Multimedia and Web Databases  
Natural Language Processing  
Mobile Computing

### UNDERGRADUATE

Web Technologies  
Data Analysis & Machine Learning  
Knowledge Engineering  
Operating Systems  
Distributed System  
Cloud Computing  
(Research Asst. & Teaching Asst)  
Unix Scripting and Internals  
Web Technologies

## SKILLS

### PROGRAMMING

Java • Shell • JavaScript • C  
HTML • Python • C++

### FRAMEWORK

React • Redux • NodeJS • PHP •  
HazelCast • Firebase • Open Stack •  
RxJS

### Familiar:

React Native • Android • MySQL

## EXPERIENCE

**GOLDMAN SACHS** | TECHNOLOGY ANALYST | FRONT END ENGINEER  
Expected June 2016 – Jun, 2018 | Bangalore, IND

- Worked on Distributed Trade Processing (DARTS) Team under Goldman Sachs Asset Management (GSAM)
- Developed an Web User Interface using **React, Redux** to monitor, search, amend and cancel the trades booked by traders
- Identification of the minimal representation of UI state improved the performance of application by **75%**.
- Reduced the bundle size by **82%** by using webpack, code-splitting, gzipping technique.

**GOLDMAN SACHS** | SUMMER ANALYST INTERN  
May 2015 – June 2015 | Bangalore, IND

- Implemented the **Automated Testing** using **JBehave** for Central Trading Desk Team to achieve the high Test Maturity Model (TMM) level.
- Test code coverage include **70%** of the application

## PROJECTS

**DYNAMIC FAIRNESS SCHEDULING IN OPENSTACK** | HEAD  
UNDERGRAD RESEARCH| JAN 2015 – 2016 | CHENNAI, IND

- Presented a “Best Fit Scheduler” powered by Machine Learning models to provide best scheduling possible to each nodes.
- Supported the live migration of instance to the efficient nodes to dynamically achieve the high throughput in Schedule which resulted in increase in the performance by 15% **Used - Python, Arima Time series model, Openstack**.

**NEXTGEN SMART CLASS** | GROUP PROJECT  
Mar 2014 – May 2015 | Chennai, IND

- The app is designed to help teacher to communicate with students along their notes in real time.
- Used **Network Programming** to communicate between students and teachers android app to efficiently use the bandwidth of the network and mobile's cpu

**EVENT SUITE** | HACKATHON PROJECT | MAY 2016 | CHENNAI, IND

- Events and Advertisement are displayed to user based on their location and user's choice **Used: Android, Geo Location API, Google Analytics**

**IRELIEF** | HACKATHON PROJECT | MAR 2016 | CHENNAI, IND

- Used **Geo-location API** and **Firebase** to manage and push notification to blood donors based on location and blood group.

## ACTIVITIES

- 2018 Organized a **React & Redux Learning series** in Goldman Sachs.
- 2016 Headed as **Chairman** in “ITRIX”, an intercollegiate technical symposium.
- 2015 Core member of technical team in “**Kurukshetra**”, **A UNESCO certified fest**.
- 2014 Supporter of Open Source Software and member of Free Software Association