# Avinash Sivaraman

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## EDUCATION

**ARIZONA STATE UNIVERSITY**
Masters in Computer Science
Aug 2018 - Present | 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**

**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 • Progressive Web Apps •
Open Stack • RxJS
Familiar:
AS3 • iOS • Android • MySQL

## EXPERIENCE

**GOLDMAN SACHS** | Technology Analyst | Front End Engineer
Expected June 2016 – Jun, 2018 | Bangalore, IND
- "Progressive Web Apps" for managing the internal trade flow in Goldman Sachs Asset Managemnet
- App-shell Architecture to improve the page loading performance
- Usage Pattern Analysis
- Worked with React, Redux, Service Worker, Webpack Bundler

**GOLDMAN SACHS** | Software Engineering Intern
May 2015 – June 2015 | Bangalore, IND
- End-to-End Testing for trade booking system
- Automation testing using JBehave.

## PROJECTS

**TRADE FLOW OPTIMIZATION** | Front End Engineer
Jun 2016 – 2018 | Bangalore, IND
As a Front End Developer, I created a 'Progressive Web Application (PWA)' for internal users who manage the trade flow of assets. We used the 'App Shell Architecture' to improve the interactivity of our web app. We improved the performance by analyzing the user's usage pattern and bundled our single page application based on it. We reduced the bundle size by 82 %.**Used - React, Redux, RxJs, Service Workers, Webpack**

**DYNAMIC FAIRNESS SCHEDULING IN OPENSTACK** | Head Undergrad Research
Jan 2014 – 2015 | Chennai, IND
Presented a "Best Fit Scheduler" powered by Machine Learning models.The live migration of instance to the efficient nodes to dynamically achieve the high throughput in Schedule. **Used - Python, Arima Time series model**

**NEXTGEN SMART CLASS** | Head Undergraduate Researcher
Mar 2012 – May 2013 | Chennai, IND
In our smart world, Everyone has smart phone now. This is an App which converts the classroom into a smart educational place. Every smart-phone in the classroom connects to one hotspot where professors can share his screen with all the students. Students can interact with notes, book in real time and raise the question. **Used: Android Development, Network Programming in Java**

## AWARDS

2014    Headed as **Chairman in "ITRIX"** , an intercollegiate technical symposium2014
2014    Active member of CEGLUG (CEG Linux Users Group)
2013    Supporter of Open Source Softwares and member of FSFTN (Free Software Associat
2011    Participated in National Service Scheme(NSS) camp in Palur, Chennai, India
2010    Represented Anna University's Official Handball team in State Level Tournament