

# Nithin Gangadharan

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Available from Sept 2020 onwards

## EDUCATION

**Candidate for Master of Science in Computer Science**, Northeastern University, Boston, MA Sept 2019 - Present  
GPA - 4.0

Courses: Programming Design Principles, Information Retrieval, Algorithms, Web Development, Computer Graphics

**Bachelor of Engineering in Computer Engineering**, University of Pune, Pune, India Aug 2010 - May 2014  
First Class with Distinction

## TECHNICAL KNOWLEDGE

Programming: Python, Javascript-React, Typescript, Java, Go  
Databases/Caches: Redis, MySQL, MongoDB, Elasticsearch, Dgraph  
Message Queues: Kafka, Google Pub-Sub  
Others: Git, Mac OS X

## RELEVANT EXPERIENCE

**(Incoming) Software Engineering Intern, Klaviyo**, Boston, MA Jun 2020 - Aug 2020

- Incoming summer intern at Klaviyo, for the SDK team.

**Senior Software Development Engineer, Media.Net**, Pune, India Aug 2018 - Jul 2019

- Designed and implemented a backend prediction service, which was part of a larger mobile crawler system, that helped predict future pages from existing crawled data
- Built multiple Single Page Applications(SPA) in **React** and hosted it on **Firebase**. Some of the sites were dashboards that helped monitor revenue for existing services in the company
- Mentored an intern for 3 months, on iOS and Javascript applications. Managed their day-to-day tasks and helped get their code into live projects

**Software Developer, Media.Net**, Pune, India Dec 2016 - Aug 2018

- Built iOS ad-sdks in **Objective-C** - dedicated ad-sdks that supported Banner, Interstitial and Video ads, and a Header-Bidding ad-sdk with Banner and Interstitial ad-slots
- Built an iOS mobile-crawler-sdk, that crawled the mobile apps it was injected into, and obtained data for delivering higher quality contextual advertisements
- Designed apis for the ad-sdks in **Golang** and **Node.js**, hosted in **Google Cloud Functions**, backed by **Google Datastore**
- Built a tool to automate testing of the iOS ad-sdk. The tool injects the ad-sdk into enterprise-signed iOS client applications. This tool debugged client issues and helped the team, at multiple instances, in discovering integration issues with new client applications, and always ensured backward compatibility during new releases

**Software Engineer, Ignite Solutions**, Pune, India Apr 2015 - Dec 2016

- Joined a team of 9 engineers at a services startup, creating technical solutions for web and mobile applications
- Created **RESTful** apis for a social networking application, using **PHP** and **Python** in **Google App Engine**, with **Google CloudSQL** as the primary database
- Maintained an iOS application written in Objective-C, fixed major implementation issues and improved performance

**Associate Software Engineer, ACI Worldwide**, Pune, India Jul 2014 - Mar 2015

- Built payment adapters (endpoints between two payment systems) using a **Java** based tool
- Contributed in the development of the tool and helped build initial prototype solutions
- Found and fixed multiple bugs affecting the day-to-day functioning of adapters

## PROJECTS

**Flavors.macro**, [github.com/gnithin/flavors.macro](https://github.com/gnithin/flavors.macro) Feb 2019 - Jul 2019

- Built babel macro that generates different flavors of a react application at build-time.

**ios-dylib-inject**, [github.com/gnithin/ios-dylib-inject](https://github.com/gnithin/ios-dylib-inject) Apr 2018 - May 2018

- Built a script to inject a dynamic library into an enterprise-signed iOS application binary(ipa) and resign it. This was built for the purpose of debugging iOS framework files.

**Chowk**, [github.com/gnithin/web-dev-project-server](https://github.com/gnithin/web-dev-project-server) Mar 2020 - Apr 2020

- Academic project for the web-dev course. Created the API server for a website using Typescript, Express library, backed by MySQL and hosted on Heroku.