

Varun Parthasarathy

SOFTWARE ENGINEER

☎ (408) 634-3475 | ✉ varun@parthasarathy.org | 🌐 [vparthas](#) | [in vparthas](#) | www.varunp.com

Education

University of Illinois at Urbana-Champaign

BACHELOR OF SCIENCE IN STATISTICS & COMPUTER SCIENCE

Champaign, IL

May 2019

Skills

Languages Python, Java, Go, C, C++, C#, Javascript, HTML, CSS, SQL, R, MIPS Assembly
Technologies Kubernetes, Docker, GKE, Flask, Git, Linux, Android, Node.js, RStudio

Experience

Netskope

Santa Clara, CA

SOFTWARE ENGINEER

June 2019 - May 2020

- Worked on Kubernetes cluster deployment and management software solution used to deploy microservices to multiple data centers.
- Designed and implemented features such as service discovery, scheduling, and auto-scaling using both Python and Golang.
- Worked with various technologies including Kubernetes and Docker to develop a container configuration and inspection tool for production deployments.

Amazon

Seattle, WA

SOFTWARE DEVELOPMENT ENGINEER INTERN

May 2018 - August 2018

- Worked on Promotions Services team implementing promotional discounts and coupons on retail platform.
- Developed promotion discovery API to allow promotional discounts to be messaged to users prior to checkout.
- Implemented discount discovery and calculation logic to find applicable discounts and calculate discount charges for items.

Aruba, a Hewlett Packard Enterprise company

Santa Clara, CA

SOFTWARE ENGINEERING INTERN

May 2017 - August 2017

- Worked on team developing 'Introspect' User and Entity Behavior Analytics solution.
- Developed continuous integration testing framework to ensure functionality of ETL data processing components, improving testing times from over an hour to less than 5 minutes.
- Worked with Hadoop HDFS, Apache Spark, and other big data frameworks and technologies.
- Contributed various improvements to log parsing engine and back end APIs.

Chatgrid

Menlo Park, CA

DEVELOPER INTERN

June 2016 - August. 2016

- Designed and implemented instant messaging customer survey service.
- Worked with team members to design service and database structure from specifications.
- Utilized Node.js to create event-driven fluid conversation module.

MobileIron

Mountain View, CA

SUMMER INTERN

July 2014 - August 2014

- Developed secure enterprise messaging android app prototype.

Projects

Random Forest

- Python random forest and decision tree classifiers for categorical or discretized numeric attributes.
- Features variable forest and tree size and attribute sampling.

PageRank Crawler

- Python program that crawls webpages, and then ranks them by importance using the PageRank algorithm.
- Includes HTML crawling/parsing, page mapping, and ranking functionality.