

# NAVANEESH KUMAR BAJAKUDLU

Programmer ◦ Engineer ◦ Minimalist

## SKILLS

### PROGRAMMING LANGUAGES

Python ██████████  
JavaScript ██████████  
Java ██████████

### TOOLS / FRAMEWORKS

React, VueJS, Node.js, GraphQL, Django,  
Prometheus, Redis, MongoDB,  
PostgreSQL

## EDUCATION

### M.S. COMPUTER SCIENCE

**Aug 2019 - May 2021 [Expected]**

Arizona State University  
Tempe, Arizona  
GPA: 3.89

### BACHELORS, COMPUTER SCIENCE

**2013 - 2017**

R.V. College of Engineering  
Bangalore, India  
GPA: 9.0 / 10.0

## CONTACT

✉ nbajakud@asu.edu

☎ 480-738-2057

🐙 github.com/nowke

🌐 linkedin.com/in/nowke

## ACHIEVEMENTS

**Hackathon Site-level winner**, Jul 2018  
VISA, Bangalore

**Star-performer of the quarter**, Feb 2018  
VISA, Bangalore

**Hackathon Runner-Up**, Mar 2016  
R.V. College of Engineering, Bangalore

## WORK EXPERIENCE

### INTERN

Summer 2020

#### VISA, Foster City, California

- Architected and developed time-series Anomaly Detection system using Elastic Machine Learning
- Engineered high-availability Apache Flink pipeline for real-time anomaly detection
- Automated real-time data ingestion between Prometheus and Elasticsearch
- **Technologies:** Elasticsearch, Golang, Apache Flink, Apache Kafka

### SOFTWARE DEVELOPER [Part Time]

Sep 2019 - Present

#### Digital Innovation Group, ASU

- Re-designed full-stack web app into a Single-Page Application (SPA) with VueJS
- Implemented REST APIs using Python/Django and PostgreSQL
- Wrote Unit tests for VueJS frontend and Python/Django backend
- **Technologies:** Django, Python, VueJS, PostgreSQL, Vuex, JavaScript

### SOFTWARE ENGINEER

Jul 2017 - Jul 2019

#### VISA, Bangalore, India

- Optimized load on Time-Series DB by designing a push-model architecture using WebSockets and Redis PubSub - [nowke.github.io/realtime-dashboard](https://nowke.github.io/realtime-dashboard)
- Enhanced user experience by revamping a full-stack web application using React, GraphQL, Node.js, and MongoDB
- Designed an ETL pipeline using Apache Spark, Prometheus, and MySQL
- Created insightful Tableau dashboards to drive critical operational analytics
- **Technologies:** React, GraphQL, Node.js, Java, Prometheus, Grafana, Apache Spark, Apache Kafka, Redis, MongoDB

## PROJECTS

### REINFORCEMENT LEARNING VISUALIZER

Summer 2020

- Built a VueJS/VueX web application for visualizing Reinforcement Learning algorithms
- Website: [nowke.github.io/rlviz](https://nowke.github.io/rlviz)
- **Technologies:** VueJS, VueX, Vuetify, JavaScript

### PRIVATE CLOUD INFRASTRUCTURE

Spring 2017

- Setup an in-house Private Cloud infrastructure for CSE department at R.V.C.E. with a High-Performance Cluster (HPC)
- Utilized OpenStack for building cloud components - Virtual Machine, Image provisioning, and Virtual networking
- **Technologies:** OpenStack