

NAVANEESH KUMAR BAJAKUDLU

Programmer ◦ Engineer ◦ Minimalist

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
- 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
- **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

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 / 10

CONTACT

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ACHIEVEMENTS

Hackathon Site-level Winner, 2018
VISA, Bangalore

Star-performer of the quarter, 2018
VISA, Bangalore

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