

# NEEL KIRIT

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## OBJECTIVE

Looking for full-time opportunities from December 2020.

## EDUCATION

### **Rochester Institute of Technology, Rochester**

M.S., Computer Science, Current GPA – 3.44 / 4

*Expected December 2020*

### **Vishvesvaraya Technological University, Bangalore**

B.E., Information Science and Engineering

*Graduated 2016*

## PROFESSIONAL EXPERIENCE

### **Paychex, Rochester, USA**

*Software Developer Co-Op*

*May 2019 – November 2019*

- **Backend Development and Implementation** - Built cloud native microservices on Kotlin and Java for firmwide code quality standardization that collected metrics from commits, published to Kafka and aggregated to DB for visualization. This brought down production issues by 80%, thus reducing software lifecycle cost by 15%.
- **DevOps** – Wrote Groovy and Python scripts that worked with OpenShift to automate deployment environments for testing and deploying applications which increased developer productivity by 8-10%.

### **JP Morgan Chase & Co, Bangalore, India**

*Software Developer Engineer*

*July 2016 – June 2018*

- **Backend Architecture and Implementation** - Built scalable microservices based APIs on Java and Spring Boot framework and deployed to private cloud that replaced the old monoliths reducing infrastructure costs by 60%.
- **Optimization** – Developed Python based monitoring applications that integrated with Git and Jenkins and existing deployment pipeline to detect the point of failure during blue-green deployments on datacenters located globally.

### **Daily Ninja Ecommerce Private Ltd, Bangalore, India**

*Software Developer Intern*

*January 2016 – April 2016*

- Started as 3rd tech employee, building scalable backend on Java, Spring Boot, and internal frontend on Angular 2 and deployed as Docker containers on AWS while the startup grew from 150 to 100,000 daily active users.

### **CCBUL Consulting LLP, Bangalore, India**

*Web Developer Intern*

*January 2015 – February 2015*

- Developed front-end UIs for web applications using JavaScript, jQuery, Bootstrap, Material Design, Angular.

## TECHNICAL SKILLS:

**Languages** - Java, Python, JavaScript ES6 / TypeScript, Kotlin, HTML, CSS, SQL, Bash

**Frameworks & Tools** – Flask, Spring Boot, Progressive Web Apps, Docker, AWS, Google Cloud, Angular

## PROJECTS:

### **Accident prevention using Dashcam**

*January 2020 – Present*

- Building a model on TensorFlow to predict time to collision, by building a modified CNN and LSTM-CNN.

### **Formula Student Germany, Software Developer**

*May 2018 – August 2018*

- Built backend based on Java and Spring Boot framework and deployed as Docker container to AWS which handled all the event and race procedures in real time and accessible Android application for safety and tech inspectors.
- The system completely digitized the paper work and reduced time to relay that increased efficiency on the field.

## SPEAKING / TEACHING:

### **O'Reilly Software Architecture Conference, NYC, USA**

*February 2020*

- Lead a workshop on microservices design patterns and cloud native architecture using Kubernetes and Docker.

### **GDG DevFest, Calgary, Canada**

*November 2019*

- Lead a hands-on workshop on Progressive Web Apps and Indexed DB API at a conference with 300 attendees.

### **Udacity, Online Mentor and Code Reviewer**

*February 2018 – May 2019*

- Mentored 1000+ students online for MOOC on Progressive Web Apps, Service Workers and JavaScript ES6.