

# RISHAB KATTA

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## Summary:

Experienced Software Engineer with a Master's degree and 3+ years of industry experience in the areas of Software Development, Distributed Systems, Data Analytics and Machine Learning seeking a Full-time Software Engineer position.

## Education:

**Master of Science: Computer Science** GPA: 3.85

Rochester Institute of Technology | Rochester, NY, USA | August 2021

**Bachelor of Science: Computer Engineering** GPA: 3.92

Osmania University | Hyderabad, India | May 2016

## Skills:

**Languages:** Java, Python, GoLang JavaScript, Bash, SQL(PostgreSQL), NoSQL (MongoDB, Neo4j), HTML, CSS.

**Frameworks & Tools:** AWS, GCP, Spring, Hibernate, Node.js, Elasticsearch, Kibana, Git, Spark, Kafka, Docker, Kubernetes.

**Libraries:** React and Redux, Pandas, NumPy, SciPy, Scikit-Learn, Keras, TensorFlow, NLTK, OpenCV.

**Platforms:** Linux, Unix-based, Windows.

## Work Experience:

### Software Engineer

Amazon | Bellevue, WA | Sep 2021 - Present

- I'm currently a part of Amazon Flex (think of Uber but for Amazon Packages), trying to create a better offer experience for Flex Drivers. Tech stack includes Java, Typescript, Python, Ruby, Spring, AWS.

### Software Engineer Intern

Nokia | Sunnyvale, CA | Aug 2020 - Dec 2020

- I worked on a product - Secret Key Management (CSKM). It's integrating Hashicorp Vault into Nokia Software Portfolio.
- Wrote Token Renewal service in GoLang, Auto-deployment scripts in Bash, YAML for Kubernetes-Helm, added Istio Service Mesh support, improved test automation framework in Jenkins pipelines and answered several support tickets.

### Graduate Student Researcher

Distributed Systems Lab at RIT | Rochester, NY | Apr 2020 - Aug 2020

- Incorporating Homomorphic Encryption into SparkFHE to support secure data analytics and ML on encrypted data in cloud.

### Software Engineer Intern

Aeris Communications Inc. | San Jose, CA | Aug 2019 - Jan 2020

- Ava is an intelligent assistant which understands natural language and responds to text and voice commands.
- I designed, built and deployed the Aeris Virtual Assistant (AVA) all by myself with the help of my mentor. Tech stack used includes JavaScript, Node.js, NLP, Dialogflow, React, Hapi, SQL, Docker for containerization, Google Cloud.

### Software Engineer

Infosys Limited | Bangalore, India | Jun 2016 - Jun 2018

- Worked on a Java-based web application (Spring MVC) for managing check payments.
- Developed a service for Data Masking to encrypt/hide sensitive production data for the client, a US-Based Bank.
- Automated Report generation about flow and timings of batch execution of jobs, saving 50 man-hours of work/week.
- Experience with API designs, database integration, building CI/CD Pipelines, code reviews, working with XML/SOAP.

## Projects:

**Kademlia - Distributed Hash Table** | Java, Remote Procedure Call, Multi-threading, TCP, UDP, Docker

- Built a decentralized P2P file sharing Kademlia network that can be scalable up to 256 nodes

**Diabetic Retinopathy Detection** | Python, TensorFlow, Keras, Scikit-learn, OpenCV

- Created an automated grading system for Diabetic Retinopathy using Inceptionv3 CNN Architecture.

**Yelpcamp** | JavaScript, Node.js, Express, MongoDB and REST API

- Developed Yelpcamp which is a campground sharing web app with features like Register/Login, adding friends, sharing campgrounds, posting reviews, liking posts. Yelpcamp has a Beautiful Material Design UI.

## Certifications:

- AWS Certified Solutions Architect Associate • Machine Learning by Andrew Ng (Stanford University).