

198 Crittenden Way, Apt6  
Rochester, NY 14623  
www.rishabkatta.com

# RISHAB KATTA

(585) 200-9518  
krishabreddy@gmail.com  
github.com/rishabkatta

## EDUCATION

<b>Rochester Institute of Technology</b>	<b>Rochester, NY</b>	<b>Aug 2018 – May 2020 (Expected)</b>
<ul style="list-style-type: none"><li>• <b>M.S. in Computer Science, GPA: 3.73</b></li><li>• <b>Graduate Coursework:</b> Data Structures and Algorithms, Foundations of Intelligent Systems, Introduction to Big Data, Advanced Object Oriented Programming Concepts, Computation Theory</li></ul>		
<b>Osmania University</b>	<b>Hyderabad, India</b>	<b>Aug 2012 – May 2016</b>
<ul style="list-style-type: none"><li>• Bachelor of Engineering in Computer Engineering, First Class Graduate (Honors)</li></ul>		

## WORK EXPERIENCE

<b>Software Engineering Intern</b>	<b>Aeris Communications, Inc., SF, CA</b>	<b>Aug 2019 – Jan 2020</b>
<ul style="list-style-type: none"><li>• I worked on two projects while I was at Aeris, One is a Virtual Assistant intended for Aeris's Internal Support Team to help them troubleshoot day-to-day tasks a whole lot faster and the other is a Research Project.</li><li>• The Virtual Assistant uses React UI frontend and Hapi (Node.js) for the backend. It performs CRUD operations using different Aeris APIs and DBs. And since it uses NLP "middleware", it understands a wide range of queries.</li><li>• The Virtual Assistant ended up being massively helpful for the support team, saving at least 2 hours/day per person.</li><li>• I designed, built and deployed the virtual assistant all by myself with help of my mentor. Tech stack used includes Javascript, React, Hapi, Docker for containerization, Google Cloud Platform where it's deployed.</li><li>• The second project is a research project. The research is on FOTA (Firmware Over The Air) Transfer over LTE-M Network for IoT devices. I wrote a paper based on our conclusions from the project and submitted to Elsevier Journal.</li><li>• Tech stack for the second project includes shell scripting, python - matplotlib and plotly for Data Visualization.</li></ul>		
<b>Web Developer(Part-time)</b>	<b>RIT - Office of Financial Aid, NY</b>	<b>Sept 2018 – Apr 2019</b>
<ul style="list-style-type: none"><li>• Developed a Node.js application for Financial Reporting for the Office of Financial Aid and Scholarships internal use. Refactored and optimized previous code.Made UI improvements.</li></ul>		
<b>Software Engineer</b>	<b>Infosys, India</b>	<b>Jun 2016 - Jun 2018</b>
<ul style="list-style-type: none"><li>• Worked on a Java-based web application(MVC architecture) for managing check payments. Implemented a program that matches and balances account data, checking for errors and possible fraud, and a program that generates reconciled statements including a listing of paid checks, posted items, misc credits, and debits.</li><li>• Implemented a program for Data Masking to encrypt/hide sensitive production data for the client.</li><li>• Automated Report generation about flow and timings of batch execution of jobs, saving 50 man-hours of work/week.</li><li>• Experience with performance analysis, optimizations and unit-testing and working with Agile process.</li></ul>		

## LANGUAGES AND TECHNOLOGIES

- **Languages:** Java, Python, Javascript, SQL(Postgres, MySQL, OracleDB), NoSQL(MongoDB), HTML, CSS.
- **Frameworks & Tools:** AWS, GCP, Spring, Hibernate, Node.js, Elasticsearch, Kibana, Spark, Kafka, Docker, Kubernetes.
- **Libraries:** React and Redux, Pandas, Numpy, Scipy, Scikit-Learn, Keras, NLTK.
- **OS:** Linux(all debian based distros), Unix-based, Windows.

## PROJECTS

### Academic Projects

- **Exploring Discourse in Reddit:** An ML Agent that can predict which subreddit an unlabeled post comes from.
- **Game AI Agent for Atari Berzerk.:** Developed an Intelligent Agent for Playing Atari Berzerk using OPENAI Gym.

### Personal Projects

- **Yelpcamp:** Yelpcamp is a campgrounds sharing web app using the Node.js, Express, MongoDB and RESTful routing.
- **RK-Studio:** A controller emulator for music making built using paper.js(for animations) and howler.js(for sounds).

Please read about more of my personal and academic projects on my website [rishabkatta.com](http://rishabkatta.com)

## CERTIFICATIONS

- AWS Certified Solutions Architect Associate.
- Machine Learning and Deep Learning by Kirill Eremenko.(Udemy)