

# ISHIKA PRASAD

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## OBJECTIVE

Looking for Co-op/full-time opportunities for Spring and Summer 2020.

## EDUCATION

**Rochester Institute of Technology, Rochester**

M.S., Computer Science

*Expected May 2020*

Degree GPA: 3.556

**Visvesvaraya Technological University, Bangalore**

B.E., Information Science and Engineering

September 2011 - June 2015

## TECHNICAL SKILLS:

- **Languages** – Java, Python, SQL, R, HTML, CSS, JavaScript, Shell Script
- **Frameworks & Tools** – Microservices, Android, Spring Boot, REST API, Git, JAAS, Java RMI, Gradle, Apache Maven, Vim, Jenkins, AWS, TensorFlow, Pandas, NumPy, Keras, Matplotlib, MVP, Unix

## PROFESSIONAL EXPERIENCE

**Software Engineer Intern, Fairport, USA**

*Tracelink Inc.*

*May 2019 – August 2019*

- Enhanced backend of Inventory tracking system using Java, Microservices, REST API, AWS, Jenkins.
- Built modules of Android application to scan barcode on Java, Jenkins
- Technologies used: Microservices, Java, AWS, Jenkins, REST API, Android, Shell Script, Unix, Git, MVP

**Graduate Research Assistant, Rochester, USA**

*Rochester Institute of Technology*

*November 2018 – April 2019*

- Researched on JAAS & Java RMI projects to develop a predictive security algorithm.
- Technologies used: JAAS (Java Authentication and Authorization Service), Java RMI, Gradle, Maven, Java.

**Senior Software Engineer, Bangalore, India**

*Mindtree (Symantec)*

*October 2015 – June 2018*

- Developed production level monitoring and debugging of services through automation in Java and Shell Script.
- Optimized and automated major modules like Scan, Report, Notification using Java, SQL with optimal performance for Complete Website Security (CWS).
- Technologies used: Java, Spring Boot, Python, MySQL, Apache Tomcat, Shell Script, Unix, JavaScript, HTML, CSS

## PROJECTS:

**Expert System for Windows and Android Security Evaluation**

*May 2019 – June 2019*

- Trained an Artificial Neural Network on Keras using TensorFlow to act as an expert system for security evaluation.
- Built an android application to deploy the trained model for mobile security.
- Technologies used: Python, Pandas, NumPy, Matplotlib, Keras, TensorFlow, Android.

**Data Management and Mining for IMDb and Online Retail**

*February 2019 – April 2019*

- Designed SQL database for IMDb datasets and performed data cleaning, indexing, ER modeling.
- Developed a web App using Flask to access data from server with responsive UI using HTML, CSS, JavaScript.
- Implemented Data Mining (Preprocessing, Feature selection, Exploration and Visualization) using classification, clustering, association rule on Online Retail UCI Machine Learning dataset.
- Technologies used: SQL, R, Python, Matplotlib, Pandas, NumPy, Scikit-learn

**Multi-Keyword Ranked Search Over Encrypted Cloud Data**

*November 2014 – May 2015*

- Designed an algorithm to solve the problem of synonym-based multi keyword ranked search over encrypted cloud data synonym-based search and similarity ranked search.
- Technologies Used: Java, Spark, Cloud foundry.

## EXTRAS:

- Ambassador, **Women TechMakers** Rochester.
- Co-organizer, **Google Developers Group** Rochester.

*May 2019 - Present*

*May 2019 – Present*