ISHIKA PRASAD

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OBJECTIVE
Looking for Co-op and Internship opportunities for Summer and Fall 2020.

EDUCATION
Rochester Institute of Technology, Rochester

M.S., Computer Science   *Expected 2020*

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*
- Researching 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.   *May 2019 - Present*
- Co-organizer, **Google Developers Group** Rochester.   *May 2019 – Present*