

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

- 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