

- OBJECTIVE** Obtain a challenging full-time position to utilize my skills, learn and contribute constructively in the field of Computer Science. **Available: May 20xx.**
- EDUCATION**
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| ROCHESTER INSTITUTE OF TECHNOLOGY | Rochester, NY, USA |
| Master of Science, Computer Science | Expected May 20xx |
| KURUKSHETRA UNIVERSITY | Haryana, India |
| Bachelor of Technology, Information Technology | December, 20xx |
- COURSEWORK** Advanced Programming (C++, Java), Algorithms, Distributed Systems, Cloud Computing, Computer Networks, Data Warehousing, Data Driven Knowledge Discovery, Data Mining, Statistics in Data Mining
- SKILLS**
- Programming Languages:** C++, Java, SQL, PL/SQL
Database Technologies: Oracle, MySQL, PostgreSQL
Operating Systems: Linux, Windows
Business Intelligence Tools: R, R Studio, Pentaho Kettle (Data Integration), SAS, Tableau
Other Tools: Eclipse, NetBeans, Toad, MySQL Workbench, Git, Weka, Wireshark, QT Framework.
- EXPERIENCE**
- Software Designer Co-op, Product Development** January – April 20xx
ALSTOM Rochester, NY
- Individually developed a TCP, Web and Inter Process Communication (IPC) based client-server system which caters to a web diagnostic interface which reports the state of the arm-board while interacting with 3 servers and multiple clients in real time, using C++ and QT Library.
 - Worked in a team of 4 in an Agile based software development environment.
 - **Languages/Tools/OS: Linux, Windows 7, C/C++, QT Library, Eclipse, SVN, PHP.**
- Grader, Principles of Data Management** February-May 20xx
ROCHESTER INSTITUTE OF TECHNOLOGY Rochester, NY
- Graded projects, quizzes, and homework for 2 sections of 35-40 students each, based on Database and Big Data concepts, MySQL and PostgreSQL.
 - Executed & analyzed SQL scripts based on stored procedures, triggers, cursors, indexes.
 - **Languages/Tools/OS: MySQL, MySQL Workbench, PostgreSQL, SQL, PL/SQL.**
- Software Engineering Co-op, Business Information Systems** March-August 20xx
VICOR CORPORATION Andover, MA
- Analyzed and altered database schemas. Developed functions and stored procedures to work with Java, PeopleSoft, SQRs and web based ASP applications, for company's Sales Department.
 - Implemented GUI features for wide range of Web projects in different departments of the company.
 - **Languages/Tools/OS: Java, PL/SQL, PeopleCode, JavaScript, ASP, PeopleSoft, Toad, Oracle.**
- CAPSTONE PROJECT**
- Data warehouse for Analysis over Hadoop, Hive and Apache Spark (Ongoing Project)**
- Building a data warehouse for analysis over Million Song Dataset using Hadoop and Hive over Amazon EC2.
 - Structuring data into data cubes and comparing performance. Also comparing performance using Apache Spark and Hadoop.
 - **Languages/Tools/OS: Java, Linux, Hadoop, Apache Hive, Apache Spark, Virtual Box.**

PROJECTS

Chord Based File Transfer Distributed System

May 20xx

- Implemented File Transfer functionality over a Distributed Chord Algorithm in Java.
- Developed GUI to simulate Lookup and Ring Stabilization in Chord network for n nodes.
- **Languages/Tools/OS: Java, Eclipse, Linux.**

Performance Analysis of Longest Common Subsequence Algorithms

April 20xx

- Implemented Memoized and Dynamic LCS algorithms and analyzed their performance for DNA sequences and other random inputs.
- Performed comparison of algorithms based on input sizes ranging from 5,000-50,000 characters.
- **Languages/Tools/OS: Java, NetBeans, MS Windows.**

Generalized Puzzle Solver

July 20xx

- Implemented a general framework using STL (Maps) in C++, which could accept any puzzle class and solve it by generating all possible configurations.
- Used Breadth First Search (BFS) to search puzzle configurations to find the goal configurations.
- **Languages/Tools/OS: C++, Linux.**

Financial Performance Data Warehouse Development

October 20xx

- Built a data warehouse for financial data analysis in MYSQL. It includes data marts for the 3 major divisions of the company.
- Implemented calculation of gross profit, manufacturing costs, company's internal expenses and allowances in JavaScript and Java, and represented using Tableau.
- Utilized SAS and Pentaho Kettle for Data staging activities (Data Cleaning and ETL processes).
- **Languages/Tools/OS: SAS, Pentaho Kettle (Data Integration), MYSQL, Tableau, Windows.**

AWARDS

MERIT SCHOLARSHIP, RIT

Received 30% Scholarship for Master of Science Program.