

# Komal Atul Sorte

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**Actively seeking Summer/Fall Internships or Cooperative Education to intensify my knowledge in the field of Computer Science.**

## EDUCATION

**Rochester Institute of Technology, Rochester, New York**  
Master of Science in Computer Science

*Aug 2018 - present*  
(Expected 2020)

**Savitribai Phule Pune University, India**  
Bachelor of Engineering in Computer Engineering

*Aug 2012 - May 2016*

## WORK EXPERIENCE

**Software Engineer | HCL TECHNOLOGIES, India**

*Aug 2017 – July 2018*

- **Project:** Worked with client 'Siemens India' to develop and implement Failure Mode and Effect Analysis (FMEA) functionality in Active Workspace (Nov 2017 – July 2018)
- Utilized Technologies/Software: AngularJS 1.5, JS, JSON, CSS, Eclipse IDE, C++
- **Project:** Worked with client as Siemens Germany for a period of 3 months on Quality Solution QSYS. (Aug - Nov 2017)
- Customized and developed front-end of QSYS and constructed SQL queries
- Utilized Technologies/Software: C++, SQL developer, SQL, OpenText Developer

**Intern | SIEMENS INDUSTRY SOFTWARE (INDIA) PVT. LTD., India**

*July 2016 – July 2017*

- **Project:** Worked on migration of Teamcenter core framework from Eclipse 3.x to 4.x. (Nov 2016 – July 2017)
- Utilized Technologies/Software: Core Java, RCPTT, Eclipse IDE and plugin development
- **Project:** Researched and evaluated Rich Client Platform Testing Tool (RCPTT). Project for GUI testing automation of Eclipse-based application. Motive was to replace RCAF; a testing tool integrated in Teamcenter with RCPTT. (Sept – Nov 2016)
- Utilized Technologies/Software: Core Java, RCPTT, Eclipse Command Language (ECL), Eclipse IDE
- **Competition:** Siemens Global Hackathon 2017, Semi- finalist on global level
- Idea for Hackathon: Internet of visuals and visualization as a service - Enhancing capability of visualization with cloud and augmented reality, Semi-Finalist on global level
- Utilized Technologies/Software: Vuforia Unity, Visual Basics, C#

## ACADEMIC PROJECTS

**Sudoku**

*Feb 2019 - present*

- An application with a 3-tier model i.e. MVVM (Observable, Mediator, Singleton design patterns) that can generate Sudoku puzzles of varying difficulty using backtracking.
- Project has been divided into two phases:
  - Phase 1: Generate solutions for 4x4 or 9x9 puzzles.
  - Phase 2: Generate puzzles for solutions from Phase 1 that the end user could solve. Create GUI using WPF Framework.
- Utilized Technologies/Software: .net framework 4.7, C#, Visual Studio 2017, XAML, WPF

**Yelp**

*Feb 2019 - present*

- Phase 1: The goal of this project is to create a user friendly web application that can be used to query a database that is created using the yelp dataset. Designed, normalized and loaded Yelp dataset on MySQL database.
- Provided extensive query support and enabled exploration of related Yelp dataset and through linking relevant database entries. Allowed database exploration through searching for people as well as movies in IMDB dataset.
- Utilized Technologies/Software: MySQL, Bootstrap framework, HTML, CSS, PHP, Node.js
- Phase 2: Datamining using R programming and applied multiple data mining techniques to predict interesting facts and visualization.

**Undergraduate Project:** Single Sign on and digital signature for secured authentication of web services using Kerberos protocol, Sponsored by Armament Research & Development Establishment (ARDE DRDO), India

*Aug 2015 – May 2016*

- Utilized Technologies/ Software: Java, HTML, CSS, Javascript, JQuery, PHP, Apache Maven, Apache Tomcat, Apache Studio

## TECHNICAL SKILLS

- **Programming Languages:** Python, Java, C#, C, C++
- **Web Technologies:** HTML, CSS, Javascript, JSON, AngularJS 1.5, PHP, Bootstrap framework
- **SQL and DBMS Programming:** MySQL, MongoDB
- **Tools:** Eclipse IDE, RCPTT, Eclipse Command Language, Visual Studio, IntelliJ, JetBrains PyCharm
- **OS:** Windows, Linux