

# Sahil Sood

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## EDUCATION

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- **University of North Carolina at Charlotte, NC** Aug'18 – May'20  
*Master of Science in Computer Science with GPA 3.67*  
Fall 18 Courses – Algorithms and Data Structures, Intelligent Systems, Big Data Analytics for Competitive Advantage  
Spring 19 Courses – Cloud Computing for Data Analysis, Visual Analytics, Computer Communications and Networks  
Fall 19 Courses – Mobile Application Development, Knowledge Discovery in Databases, Database Systems
- **Chandigarh Engineering College at Mohali, India** Aug'11 – Jul'15  
*Bachelor of Technology in Computer Science with GPA 3.67*

## TECHNICAL SKILLS

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- **Programming:** Java, Python, C++, SQL
- **Data Analytics:** Visualization (Tableau), Cluster Computing (Hadoop, Spark), Statistics
- **Web Development:** HTML5, CSS, JavaScript, XML, MySQL
- **Technologies:** Pandas, NumPy, Matplotlib, Git, Oracle
- **Tools:** Anaconda, Visual Studio, Eclipse, IBM Sterling, SQL Server, Atom, MS Office
- **Operating System:** Windows OS, Mac OS

## PROFESSIONAL EXPERIENCE

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- **Graduate Teaching Assistant at University of North Carolina, Charlotte, NC** Aug'19 – Dec'19
  - Teaching Assistant for the course ITSC 3155 - Introduction to Software Engineering.
  - Responsible for tutoring and mentoring, creating in-class activities and programming assignments for Students.

- **Programmer Analyst at Cognizant Technology Solutions, Kolkata, WB** Jan'16 – Jul'17
  - Designed and implemented an Order capturing framework for Arcadia Group's e-commerce channel that captures and creates orders in the Order Management System. Incorporated application specific attributes and validations using Java Technologies.
  - Conceptualized and developed a software tool for daily monitoring of inventory mismatch, order status updates, shipment status updates across platforms by configuring custom agents which picks inventory related data from custom tables and sends updates to third parties accordingly.
  - Executed Unit test cases and handled Critical Production issues for all the Arcadia Deployments.
  - Automated Scripts for Client Reporting, Application Monitoring and reducing manual Efforts using Python.

## ACADEMIC PROJECTS

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- **Urban Trajectory Visualization System** Jan'19 – Apr'19  
A prototype of a Visual analytics system for urban trajectory datasets has been modified using D3 JavaScript to support data exploration. The system helps the user to conduct visual analytics tasks through interactive visualization.
- **Big Data: Text Analysis for Competitive Advantage** Nov'18 – Dec'18  
The project analyzes Data Processing technique to distill and correlate bodies of text from the perspective of a Company attempting to utilize Natural Language Processing to summarize and simplify its various company documents.
- **Analysis of Sorting Algorithms** Aug'18 – Nov'18  
Achieved challenging goal to formulate algorithm with combination of Quicksort and Insertion Sort in Python. Analyzed & executed hybrid algorithm with 15% faster running time than Quicksort.
- **Diagnostic Management System** Jan'16 – May'16  
Directed technical team of 5 people, wrote user stories & developed web app using Java, JSP-Servlets and Oracle. Attained seamless UI/UX on different screens through Bootstrap, jQuery UI & implemented unit test cases.
- **BugFix - Replica of Stack Overflow** Aug'15 – Dec'15  
Developed a central repository, which act as broadcaster where every user can ask the question(s) from another registered user(s) using J2EE, JSP & Servlets, MySQL.
- **Remote Observer - Remote Monitoring System** Jan'15 – Jul'15  
Developed a Java Application that take screen shots of the work, which is being processed by various employees from the various locations of an office and then upload it to the server machine for monitoring.