

# Sahil Sood

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## EDUCATION

- **University of North Carolina at Charlotte, NC** Aug'18 – May'20  
*Master of Science in Computer Science with GPA 3.7*
- **Chandigarh Engineering College at Mohali, India** Aug'11 – Jul'15  
*Bachelor of Technology in Computer Science with GPA 3.67*

## TECHNICAL SKILLS

- **Programming:** Java, Python, Kotlin, SQL
- **Mobile App Development:** Android SDK, Google APIs, Google Play Services, Dagger 2 Dependency Injection, MVP/MVVM, Firebase, SQLite, Architecture Components, Retrofit, Gradle, GSON, RxJava, OkHttp, Junit, Espresso
- **Cloud Services:** AWS, Google Cloud Platform (Cloud Firestore)
- **Web Development:** HTML5, CSS, JavaScript, XML, JSON, MySQL, Postman, RESTful Web Services
- **Tools:** Android Studio, Git, Anaconda, Eclipse, Jira, SQL Server, IntelliJ IDEA, MS Office
- **Platforms:** Microsoft Windows, UNIX/Linux, Mac OS, Android

## PROFESSIONAL EXPERIENCE

- **Graduate Teaching Assistant at University of North Carolina, Charlotte, NC** Aug'19 – May'20
  - 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 Core Java Technologies, Spring MVC, Agile Methodologies and Scrum Practices.
  - Conceptualized and developed a software tool for testing and daily monitoring of inventory mismatch, order status updates, shipment status updates across platforms by configuring custom agents that picks inventory related data from custom tables and sends updates to third parties accordingly.
  - Executed Unit test cases, design reviews 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

- **Bagpack Planner (Android/Java)** Aug'19 – Dec'19  
Developed using Google Authentication, Google Firebase, Firestore Cloud Database and Firebase Storage. It lets users create/join Trips using Google Place API. It facilitates the admin to add friends to its trips and interact using different Chat Rooms embedded within the Trip Fragments. All the Fragments in the application is handled using Jetpack Navigation Controller.
- **WineFlix (Android/Java)** Aug'19 – Nov'19  
Developed using Firebase's Cloud Firestore NoSQL database, this App lets you store your favorite movies and retrieve them anytime using JSON API calls to themoviedb.org. Android RecyclerView, OkHttp, Data passing between Intents (Parcelable/Simple Data Passing) are some of the additional functionalities implemented.
- **Daily Weather Radar (Android/Java)** Aug'19 – Nov'19  
The Weather App lets you select your preferred city and display the current weather by making JSON API calls to openweathermap.org API. It uses weather icons, RecyclerView, OkHttp, GSON to show the weather data up to next five days.
- **Where's My Pizza (Android/Kotlin)** Aug'19 – Nov'19  
It is a Pizza delivery Application, for users to select multiple toppings using Android FlexLayout, Views and Dynamic ImageView. The application has two Activities and data is passed through intents. Users can select toppings through alert Dialog, checkout/ clear. The final bill is populated based upon the toppings and Pizza size.
- **News Central 360 (Android/Java)** Aug'19 – Nov'19  
Developed a News Application using JSON Web APIs, Fragments and AsyncTask/Thread to connect and show the top headlines and news items from the various news source such as BBC, NBC using the category selected by the user.