

Arjun Aggarwal

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SUMMARY OF QUALIFICATIONS

- Aspiring Informatics student focusing upcoming coursework and involvement on Software Development with the aim to develop exciting new software with the aim to solve problems in an innovative and robust manner.
- **Programming Languages:** Java, C++, R, Python, SQL, NoSQL, HTML, CSS, JavaScript, React
- **Technical Tools:** Git, Android Studio, AWS, Microsoft Azure, AWS Honeycode

EDUCATION AND COURSEWORK

University of Washington, Seattle *GPA: 3.56* **Sep 2018 - June 2022**
Bachelor of Science in Informatics; Concentration in Software Engineering and Data Science *Seattle, WA*

- *Coursework:* Java Programming I & II, Database Systems (SQL), Data Structures and Algorithms (Java), Technical Foundations (R), Client-Side Development (JavaScript, HTML, CSS, React), Core Methods in Data Science (Python, R)
- *Awards:* Dean's List- Winter Quarter 2020, Spring Quarter 2020, Fall Quarter 2020

PROJECTS

Android Development: Memorable Places Android App **Jul 2020 – Aug 2020**

- Storing the locations marked by the user (on Google Maps) in a database to provide instant access to the location whenever the user wants to visit these locations again. Utilized: Android Studio, Java, Google Maps API

Data Visualisation: Exploring India Census **May 2020 – June 2020**

- Downloading, cleaning, and integrating data from government website to draw meaningful conclusions using graphs and widgets for the potential investors in the region. Utilized: R, Shiny app, CSS and HTML, Git

Database Systems and Management: Flight Booking System **Feb 2020 – March 2020**

- Developed a Database Application under Concurrent Access Interface with a Relational Database from a Java Application via JDBC locally run through Terminal. Implemented transactions to maintain consistency of the model. Utilized: Java, SQL, Microsoft Azure, Git

WORK EXPERIENCE

University of Washington iSchool **Jan 2021 - Present**
Undergraduate Teaching Assistant: INFO 201 (Technical Foundations) *Seattle, WA*

- Teaching 26 undergraduate students R, ggplot2, Shiny, HTML, CSS to work on a project with interactive Data Visualisation and to improve Web Development skills.
- Educating concepts of Software Development like APIs, Git, Data Libraries to clean, wrangle & analyse visual datasets.

University of Washington iSchool **Aug 2020 - Present**
Undergraduate Research Assistant: InfoSeeking Lab *Seattle, WA*

- Working on "InfoFostering Project" to build a flexible expert recommender system by performing quantitative and qualitative research in Human Information Behavior, Information Retrieval and HCI using SQL, Python, TensorFlow

Unite UW Students Association- UUSA (Cultural RSO)- Director of Events **May 2019 - Present**

- Leading the team of 17 officers to plan, organize, execute weekly events and promote diversity.

Dana Incorporated- Software Development Intern (IoT) *New Delhi, India* **Jul 2019- Sep 2019**

- Worked on a project to program a micro-controller using C, PHP, SQL, used to operate Industrial Manufacturing machines.
- Helped to write the code, find bugs and improve its efficiency by 1.5 times.
- Developed an interface to digitally control the machines which reduced costs by almost 15%.