

Arjun Aggarwal

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SUMMARY OF QUALIFICATIONS

- Aspiring Informatics student focusing upcoming coursework and involvement on Software Development.
- **Technical Skills:** Java, C++, R, Python, SQL, Git, CSS, JavaScript, HTML, Android Studio, AWS, React, Azure

EDUCATION AND COURSEWORK

University of Washington, Seattle

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

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. (<https://arjunaggarwal.shinyapps.io/final-project-adpp1809/>)

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 such as APIs, Git, Data Libraries to clean, wrangle and 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%.