

Shambhawi Sharma

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Education

Major in Computer Science and Minor in Business and Computational Mathematics **(2021-present)**
Sophomore at Illinois Institute of Technology, Chicago **[GPA 4.0]**

Courses Completed

Bioinformatics (a graduate-level course using LINUX/UNIX like systems, dealing with genomic databases and analysis and phylogenetic prediction), **Operations and Supply Chain Des** (queueing and forecasting models, inventory management), **Physics I : Mechanics, Philosophy and Big Data** (ethical data practices and the need for such practices), **Science and Method** (analyzing the processes of induction and deduction that led to the establishment of rules and laws in science)

Skills

- **Java** (4 years) I helped make several projects. In Accelerated Introduction to Computer Science, I helped develop a game entirely in Java where I coded for the edge cases and designed and coded for the main class that ran the game classes together. I also participated in the testing and debugging of our game. I also know how to code for data structures in Java by virtue of the lab work in the course. (projects on [Github](#))
- **Python** (2 years) I have taken a data structures course CS331 where I learned about data structures, and have experience with data structures such as BST, Stacks, Queues, Lists, Hash Tables, etc. (projects on [Github](#))
- **JavaScript** (6 years) I can animate and build games in JavaScript. One of my games was made on the JS platform of KhanAcademy where I simulated a graphic spring as a part of a project in the KhanAcademy course in collaboration with Pixar that forms the basis of several animations.
- **3D Modeling** (6 years) I modeled the components of the robot using Creo Parametric and simulated the final design as part of a robotics competition for FIRST.
- **Digital Art** (6 years) I use Autodesk Sketchbook and Adobe Photoshop. (some art posted on [instagram](#))
- **Languages** I am multilingual in English, Hindi, Nepali and Marathi, and fluent in Japanese.

Work Experience

- Teaching Assistant for CS116 Introduction to Programming Languages (Java)
(January 2022- present)
 - Required experience with teaching and reviewing course material of the week and explaining concepts of data structures in Java.
- Treasurer for Vedic Vision Society
(September 2021- present)
 - Created budgets and event plans on a weekly and semesterly basis, raised PR and arranged for invoices for our weekly meditation sessions.