

# Aastha Dhir

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## EDUCATION

### Illinois Institute of Technology

*Masters, Computer Science, GPA: 3.44*

Chicago, IL

Aug. 2021 – May 2023

### Guru Nanak Dev University

*Bachelor of Technology in Computer Science Engineering, GPA: 3.33*

India

Aug. 2015 – May 2019

## EXPERIENCE

### Lab Campus Life Ambassador

*Illinois Institute of Technology*

Sept 2022– Present

Chicago, IL

- Managing and Supervising the Underground Elevate Space at IIT Tower.
- Maintain upkeep of lab equipment and printers

### SOAR/GO Leader

*Illinois Institute of Technology*

Jun 2022 – Present

Chicago, IL

- Lead groups of 10-12 new 1st-year students/families and educate them about campus resources and student life to succeed.
- Led process improvement by creating material that cut student questions by 50 percent

### Graduate Peer Mentor

*Illinois Institute of Technology*

May 2022 – Present

Chicago, IL

- Guide incoming students and provide support, knowledge on university/courses.
- Mentor and empower students by sharing experiences that increased their confidence by 75 percent

## PROJECTS

### YouTube Sentiment Analysis | *Python, Flask, React, PostgreSQL, Docker*

Aug 2022 – Dec 2022

- Learned about how sentiment is measured and analyzed using various data, including comments on YouTube videos
- Visualized data using graphs for better understanding
- Used packages like sentimentr, syuzhet and quanteda for checking sentiment scores

### Bollywood Movies Analysis | *Spigot API, Java, Maven, TravisCI, Git*

Aug 2022– Dec 2022

- Learned about how Bollywood Movies are analyzed using various data, using the graph database.
- Figure out which relationships exist between different pieces of information
- The data has been inserted into the Neo4j database and subsequently, relationships between actors, movies, and directors nodes have been analyzed.

### Library management System | *Python, Flask, React, PostgreSQL, Docker*

Sept 2021 – Dec 2021

- Learned how to design ER Diagrams and Relational Schemas.
- Database back end to store, manage and retrieve information about members, and documents.
- The application allows users to search for, borrow, and add documents to their library.

## TECHNICAL SKILLS

**Languages:** Java Core, Python, C/C++, SQL, RDBMS, JavaScript, HTML/CSS, R, PHP, Python(Basics)

**Developer Tools:** Git, AWS(Basics), Linux, VS Code, Visual Studio, PyCharm, Eclipse

**Microsoft Office Suite:** Word, PowerPoint, MS Project Tool, MS Excel(Basics)

## TRAININGS AND EXTRA CURRICULAR

- AWS Solution Architect Associate, Udemy, Aug 2022– Present
- CI/CD Beginner Prerequisites and SDLC Lifecycle, Udemy, Jun 2022– Jun 2022
- DevOps Beginner Prerequisites, Udemy, Jun 2022– Jul 2022
- Web Development, India, Dec 2018– May 2019
- "Talk to your Teacher", Ministry of Human Resource Development, India, Apr 2018
- Java Coré, C, C++, India, Jun– Aug 2017 and Jun– Jul 2016