

# Deepika Kumari Jha

INFORMATION SYSTEM GRADUATE STUDENT ·

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## Education

**Northeastern University, MS in Information Systems**

GPA: 3.78/4.0

Seattle, USA

Fall 2020 - Present

**Guru Nanak Dev University, Bachelor of Computer Application**

GPA: 3.3/4.0

2012 - 2015

Amritsar, India

## Work Experience

**Sr. Software Developer, Tata Consultancy Services(Eli Lilly Group)**

Jun. 2018 - Aug. 2020

- Developed distributed Java application to check efficacy of given drug in clinical research. Used .Net framework for front end, REST API to connect with backend written in java using DAO design pattern in Spring Framework. Written multiple python scripts to automate the jobs at Tomcat server. Integrated application with Tableau for visualization. Fixed critical bugs in defined SLA. Scaled the existing architecture.
- Created multiple dashboards using tableau to visualize patient related data in pre Clinical research for accurate decision making.
- Written a java library for merging two different reports(XML file>1 GB) coming from incompatible databases and generating formatted reports using java, SAX Parser, Macro and Apache POI.This library decreased manual effort by 85%.
- Other responsibilities: Writing SOP(Standard Operating Procedures),Developing, Debugging, Troubleshooting, Evaluating tools and technologies, mentoring junior developers, code reviews.

**Software Developer, Tata Consultancy Services**

Jun. 2016 - Jun. 2018

- Written multiple Java modules to automatically resolve tickets to add and delete users from the database and updating it to ticket tracking tool Service Now, leading to higher completion rates with accountability and efficiency.
- Developed java utility to send notification of pending mandatory training of TCS associates working under client to proactively notify team members regarding their training due dates to avoid any penalty. Proactive notification reduced the chances of training miss by 74%.

**Graduate Trainee, Tata Consultancy Services(Govt of India)**

Jul. 2015 -Jun. 2016

- Digital and Skill India: Developed websites using front end technologies(HTML,CSS,Bootstrap,React) for multiple districts in India aimed for aiding in decision making for developments projects in district.
- WEAVE: Developed java tool for advance designing, creating, editing and analyzing textile patterns and keeping pattern archive.

## Academic Projects

**Hospital Management System**

July 2020-Aug 2020

- Ideated,Designed and Implemented database for hospital using MySQL(RDMS) advance features like Triggers, Functions, Encryption, Views and integrating it with Tableau for report generation. The database provides automated and seamless management, easier tracking of information, better decision making based on reports generated actual data.

**CONNECT**

Sep 2020-Dec 2020

- Built a full stack (MERN)social networking app "CONNECT" using React, Redux,Node, Express MongoDB.Created an extensive backend API with Express.js.Used Stateless JWT authentication. Integrated React with Express backend and applied modern practices like React Hooks, Async/Await and Redux for state management.Deploy to Heroku with postbuild script

## Leadership and Extra-Curricular Activity

**Toastmasters International**

July 2018- Jun 2020

- Program Quality Director,Area D3, District 41:Responsible for all aspects of education and training within the Area D3 comprising of multiple club.This includes supporting quality club programming efforts, promoting the Distinguished Club Program,planning and executing the Area Conference.
- Core Member & VP Education:Established TCS Maitree Noida 7 club in TCS premises.

## Honors & Awards

**TCS on the Spot**

2015-2020

- Received "On The Spot" award five times for outstanding performance.

**Toastmaster International**

2015-2020

- International Speech Contest:Winner at Club and Area C2, Participated at Divison level, District 41(comprising of India, Nepal, Bhutan, Bangladesh)
- Recieved Competent Leadership award from Toastmaster International

## Skills

Java Python JavaScript REST API Spring Hibernate Maven AWS Jenkins Linux/Unix Oracle  
MySQL(RDMS) NoSQL(MongoDB) HTML CSS BootStrap React Tableau HP ALM(Testing tool)