

# Sana Jahan

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## Education

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|--|--------|
| Northeastern University, MS in Computer Science, Sept 2019 – May 2021<br><i>Graduate Teaching Assistant for Foundations of Software Engineering, Web Development</i> | 3.6/4  |
| BP Poddar Institute of Management & Technology, BTech in IT, Jul 2013 – Jul 2017   | 8.5/10 |

## Professional Experience

### Amazon, Software Development Engineering Intern, Seattle, WA, US, May 2020 – Aug 2020

- Designed and developed end-to-end customer facing features that is being used across US and UK by Amazon Go customers.
- Reduced customer service response time, enabled customers to contact customer service directly.
- Collaborating with UX designers and internal stakeholders to develop technical solutions for business cases.
- Performed bug fixes and code reviews for teammates.

### Thoughtworks, Application Developer, KA, India, Oct 2018 – Jul 2019

- Created features, functionalities for an advanced CMS **used by 100% of internal customers** across a leading US grocery chain.
- Automated build process consequently **saving ~130 dev hours a year**.
- Performed bug fixes and added missing unit tests for existing features **reducing technical debt by 20%** within 2 months.

### Thoughtclan, Software Engineer, KA, India, Aug 2017 – Sept 2018

- Implemented new modules and **99.99% up-time REST APIs** for an eCommerce web application using Java, JavaScript, Spring.
- Integrating third-party services and external APIs resulting in **decrease of the system's complexity**.
- Worked closely with internal stakeholders and UX designers during analysis, design, development and testing phases of SDLC.

### Open Source Contribution – Microsoft vcpkg, Thoughtworks GoCD

## Academic Projects

- **Search Engine** - Developed a vertical search engine for searching blog posts related to travel and food.
- **Image Processing Application** - Converts image to gray scale, apply sepia tone, blur filter, sharpen filter, generate patterns.
- **Fitting Model to Data** - Implements the Linear Regression and K-Means Clustering algorithm using JAVA.
- **File System** - Creates a filesystem as a file and allows you to do file/directory operations in a CLI.
- **Telegram Bot** - Checks server stat like disk space memory usage, run Linux command through the telegram chat interface.
- **COVID-19** - Track COVID – 19 outbreaks for all countries using Python, Django.
- **Alexa Skill** - Helps pre-onboarding interns with reminders and leadership principles.

## Technical Skills

- **Problem Solving skills: Data Structures and Algorithm**
- **Language/Scripting/DB:** Java, C, Python, JS, React, Typescript, XML, JSON, Shell, MySQL, Postgres, Mongo DB
- **Web-dev & frameworks:** JSP, Servlet, JDBC, NodeJS, Socket.io, Spring MVC, CSS, HTML, Junit, Cucumber, Capybara, Jest.
- **Tools:** Android Studio, Eclipse, Visual Studio, Maven, Gradle, git, JIRA

## Certification & Achievement & Volunteering

- Sponsored by Northeastern University to attend Grace Hopper Conference 2020.
- Secured 3<sup>rd</sup> position in an intra-college debate competition in 2014.
- Among top 6 district-level finalist in an environmental awareness elocution contest organized by The Telegraph in 2008.
- Independently taught Science, English and Mathematics to the underprivileged children of my neighborhood for over 7 years.