

# POOJA AGARWAL

Chapin Apartments, 700 Health Sciences Drive, Stony Brook, New York 11790  
+1-631-428-8318 | [poagarwal@cs.stonybrook.edu](mailto:poagarwal@cs.stonybrook.edu) | [LinkedIn](#) | [Github](#)

## EDUCATION

State University of New York at Stony Brook, New York Jan 2019 - May 2020 (Expected)  
Master of Science, Computer Science  
Courses - Algorithms, Introduction to Computer Vision, Visualization, Principles of Programming Languages, Theory of Computation

Institute of Technical Education and Research, Bhubaneswar, India Aug 2010 - May 2014  
Bachelor of Technology, Electronics and Communication Engineering

## TECHNICAL SKILLS

Programming Languages, Libraries & Frameworks	Angular, R Programming, Python, C#, Drupal, PHP, HTML, JavaScript, CSS, Bootstrap, Node.js, RestAPI, XML, D3.js, OCAML, Prolog, JQuery
IDE	Wamp, XAMPP, Acquia Dev Desktop, Rstudio, Visual Studio, Eclipse, Atom, Pycharm
Database	MySQL, mongoDB, ElasticSearch, Hive
Tools	Git, SourceTree, JIRA, SVN (Tortoise SVN)
Operating system	Windows, Mac

## WORK EXPERIENCE

### Accenture

#### Application Development Analyst

June 2017 — Jan 2019

Angular : Simplified the ticket resolving process by developing a ticket tracking website using angular to track the progress and details of the complaint tickets integrated with workflow functionality to monitor its flow until it is reached in resolved state.

R : Reduced the complaint tickets count by performing analytics, text mining and prediction using ARIMA forecast model on ticket data using R programming. Developed an interactive website using shiny package charts for visualization along with the option of saving the visualized components using RMD files.

Python : Saved time for writing code for different database queries by building a wizard which will help to connect, edit or add the database connections to different types of databases from UI.

Drupal : Successfully automated Drupal tasks of fixing common coder issues by 70% using a simple script command and created custom Drush command for automating the tasks of deleting unnecessary revision field present in the database.

C# : Created multiple Rest APIs to fetch data from different types of databases – Hive, Elastic Search and used by the frontend.

D3.js : Worked on building a tool on jquery, html, css integrated with d3.js and highcharts for visualizing and comparing data.

MongoDB : Automated repetitive CRUD tasks of MongoDB on high volume of data using C# and xml configuration which reduced the efforts for running multiple queries

### Tata Consultancy Services

#### Software Engineer

June 2014 — May 2017

Drupal : Developed and maintained websites on Drupal, handled CMS configuration, site migration, multilingual websites and Drupal database with optimized performance and best coding standards.

Angular : Worked on developing a website with AngularJS and Drupal integrated with yammer to fetch posted blogs, stories along with Like and Comment feature.

Web Applications : Administered multiple web applications using technologies like JQuery, HTML5, CSS, Bootstrap, Ajax and optimized performance by using tools like Bower, GruntJs, predix.

Cognizant of various tools which include Jira process, Agile methodology , SVN, Behat Testing, Karma Jasmine Unit Testing, GIT commands.

## PROJECTS

**Terrorism Visual analytics** - Created a D3-based interactive visual interface which would allow users to gain insight on terrorist activities around the world. The major highlights were –

- Prediction casualties using decision tree model,
- With Dataset of size more then 180000 it included Data Cleaning, Dimension Reduction, Text mining

Technology: Python, D3, HTML, CSS, JQuery

**Drupal Module and Theme Generator** - Created Node module in github - 'generator-drupal-module-theme' integrated with grunt and yeoman generator to automate Drupal modules and theme creation task.

## ACCOMPLISHMENTS

- *Young Achiever Award* - Awarded for diverse contributions and participation, engendered new ideas, automation, and involvement in multiple technology stack projects.
- *On the Spot Award* - 5 Awards given due to numerous client appreciations for developing a website.
- *Best Team Award* - Awarded to Team individuals for team spirit and achieving 100% results.
- Team Lead during the Tata Consultancy Services Initial Learning Program - Worked on creating a Food ordering website in java using waterfall model.