

POOJA AGARWAL

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EDUCATION

Stony Brook University, 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, Python, R Programming, C#, Drupal, PHP, HTML, JavaScript, CSS, NodeJs, 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, JIRA, SVN (Tortoise SVN)

WORK EXPERIENCE

Accenture

Application Development Analyst

June 2017 — Jan 2019

- Angular : Simplified the ticket resolving process by developing an application 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 R programming. Developed an interactive website using shiny package charts for visualization along with the option of saving the visualized components.
- 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, Grunt JS.
- Cognizant of various tools and methodology which include Agile process , Behat and Karma Jasmine Unit Testing, SVN and GIT command tools.

PROJECTS

Terrorism Visual analytics - Created a D3-based interactive visual interface which would allow users to gain insight on terrorist activities around the world. Technology: Python, D3, HTML, CSS, JQuery. The major highlights were –

- Prediction of casualties using decision tree model
- Dataset of size more than 180000 which includes Data Cleaning, Dimension Reduction, Text mining

Drupal Module and Theme Generator - (Open Source) - Created Node module in Github - 'generator-drupal-module-theme' integrated with grunt and yeoman generator to automate Drupal modules and theme creation task. Technology: NodeJS, Grunt JS, HTML, JQuery, Yeoman, PHP

ACCOMPLISHMENTS

- Young Achiever Award** - Awarded for diverse contributions and participation, highest customer satisfaction rating for all software solutions delivered, engendered new ideas, automation, and involvement in multiple technology stack projects.
- On the Spot Award** – Received 5 Awards 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.