TRIVENI SHETTY

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COMPUTER SCIENCE ENGINEER

Computer Science Engineer specialized in Software development, and Data Science; Application development using Object Oriented Programming and Unit testing using Junit framework; Excellent communication and interpersonal skills.

EDUCATION

Master of Science in Computer Science Engineering University of North Carolina, Charlotte, NC	**GPA : 3.9**	May 2017
Bachelor of Engineering – Information Science Visvesvaraya Technological University, KA, India	**GPA : 3.7**	May 2014

TECHNICAL SKILLS

Programming/Engineering tools: Java, C++, Python, QT, HTML, CSS, JavaScript, JSP, Servlet, XML, JSON, SQL, Junit, Tableau, Eclipse, NetBeans, Visual Studio, JIRA
Operating systems/Applications: Windows, Microsoft Office Suite, GIT

RELEVANT COURSEWORK: Network Based Application Development, System Integration, Machine Learning, Software Systems Design and Implementation, Algorithms and Data Structures, Survey of Programming Languages, Database Systems, Knowledge Discovery in Databases, Visual Analytics, Cloud Computing for Data Analysis

PROFESSIONAL EXPERIENCE

Software Engineer, UBS, NY, USA   **Feb 2020 – Present**

- Work on risk/price system for mortgage applications.

Software Tools Developer, Mackevision, MI, USA   **Jul 2017 – Jan 2020**

- Develop tools for a Computer Animation software called Maya using C++ API and Python; QT for UI.
- Conversion of some old tools from Python to C++ for better security of the Maya Software.
- Usage of GIT, a version control system to manage multiple repositories within the Organization.
- Track and work on enhancements, bugs or any concerns raised in Bugzilla Software.
- Work on Sprints in an Agile environment and track the overall Project management using a tool named JIRA.

Systems Software Engineer, Infosys Limited, KA, India   **Oct 2014 – Nov 2015**

- Followed Agile methodology to maintain an application and work on enhancements in Java using MVC Software Design pattern to enable Allstate's insurance customers to request quotes, create/cancel policies, handle accounts via web UI.
- Used Junit framework to perform unit testing on core functionalities like new business, endorsement, and SBO transactions to ensure that the application runs as per the requirements.
- Coded rules in XML to generate JSON response which was then mapped to the UI.
- Implemented changes to the application program in response to tickets raised by test team for product revisions.
- Worked across complete software development life cycle by coordinating requirement analysis, technical design, coding, testing and documentation.

Software Engineering Trainee, Infosys Limited, KA, India   **Jun 2014 – Sept 2014**

- Developed frontend for an e-commerce application using HTML, JavaScript to simplify addition and deletion of items from cart. Used CSS to improve presentation, and implemented code using Spring framework.
- Created data manipulation queries using SQL for a database containing student information. Developed backend code to perform additional analytics like class performance charts and progress reports.
- Performed the unit testing of the implemented code in the Java Bean classes, servlets and traced the exception handling in the code using a framework called Junit.

ACADEMIC PROJECTS

- **Responsive Java Web Application using MVC for Restaurant Management**
  Used JavaScript, HTML, JSP to develop a system for customer order management at a local restaurant. Integrated it with web server and database using Servlets, JDBC, Java Bean classes, MySQL database and Apache Tomcat server.
- **JavaScript Based Front End Application to render User Interface based on JSON Expression**
  Coded in JavaScript and HTML5 to develop a front-end web Application that renders an appropriate UI by parsing the JSON expression entered by the User in the Text Area provided. Integrated it with CSS3 for styling of the Application.
- **Java Based Application for Enhancement of Movie Viewing Experience**
  Coded in HTML, JSP, JavaScript to create an application that brings together the ability to browse and book movie tickets from nearby theatres, and the ability to stream movies. Implemented the code using Spring Model-View-Controller Design Pattern. Integrated it with Apache Tomcat web server, MySQL database and GIT version control.
- **PHP based Application for Patient Experience Improvement**
  Used PHP, JavaScript, and SQL to develop an application that enables patients to book their Doctor's appointment online. This boosts the efficiency of the process by at least 30% versus the assistant having to manually schedule appointments.
- **Machine Learning based Geostatistical Crime Prediction using Python Programming**
  Developed Python code for Data Analysis using Logistic Regression, Neural Networks, K-Means Algorithm to analyse and predict the crimes in Chicago. Used this study to create awareness among people about unsafe areas.