TRIVENI SHETTY

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COMPUTER SCIENCE ENGINEER

Computer Science Engineer specialized in Frontend/Backend development, and Data Science; with industry experience in Web Application development on Java, and Unit testing using Junit framework; Solid understanding of Data Analysis using Machine Learning Algorithms; Excellent communication and interpersonal skills. Actively seeking a full-time position in the area of Software Development.

EDUCATION

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

PROFESSIONAL EXPERIENCE

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

- Maintained an application and worked on enhancements in Java using Model-View-Controller Software Design pattern to enable Allstate's insurance customers to request quotes, create/cancel policies, and handle accounts via a 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, Mysore, 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 User Interface 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 based code for Data Analysis using Logistic Regression, Neural Networks, and K-Means Algorithm to analyse and predict the crimes in the city of Chicago. Used this study to suggest programs to create awareness among people about unsafe areas.

TECHNICAL SKILLS

Programming/Engineering tools: Java, HTML5, CSS, JavaScript, JSP, Servlet, XML, JSON, Junit, Python, Eclipse, NetBeans, Visual Studio, R Studio, Spyder, SQL, Oracle 11g, SQL Server
Operating systems/Applications: Windows, Linux, Mac, 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