KARTHIK CM

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EDUCATION

M.S. in Computer Science and Engineering | Santa Clara University, California, USA   **Mar 2021 - Mar 2023**
B.E. in Information Science and Engineering | Visvesvaraya Technological University, INDIA   **Sep 2012 - Jun 2016**

• Data Structures with C • Design and Analysis of Algorithms • Database Management Systems • Operating Systems • JAVA and J2EE
• Object Oriented Modeling and Design • Programming the Web

TECHNICAL SKILLS

Languages	C/C++, Java, Python, JavaScript, SQL
Databases	MySQL, Oracle PL/SQL, SQLite
Frameworks	Spring Framework (MVC/Boot/Batch/REST), Hibernate
Web Technologies	HTML5, CSS3, Bootstrap, jQuery, AJAX, Handlebars, React JS
Other Technologies	JSP, Servlets, SOAP, RESTful Web Services, Git, XML, JSON, Maven, Apache log4j, JPA, JUnit, Agile
Tools/IDE	Eclipse IDE, Oracle SQL Developer, Spring Tool Suite, Postman, Unity Game Engine, Visual Studio Code

EXPERIENCE

Web Developer Intern | Santa Clara University, Santa Clara, CA, USA   **Aug 2021 - Dec 2021**
- Partnered with web design and story-telling teams to build strategic, informative and successful university website
- Reviewed, explored and added web content accessibility standards to website including modifications in content types

Software Developer | Tata Consultancy Services, Bengaluru, INDIA   **Dec 2016 - Sep 2020**
- Designed and developed user/client facing web portals to manage Insurance account/policy using Spring MVC, Java and JSP
- Worked closely with software development and quality assurance team to build robust solutions to meet client requirements for functionality, scalability and performance
- Optimized existing workflows concerned with delay in web page load, thus reduced user wait time by over ~60%
- Took initiative to join hands with testing team for Automation testing of processes using Selenium WebDriver and Cucumber API
- Analyzed and resolved critical/high security issues associated with application as part of Vulnerability Assessment
- Devised a Spring Batch service to trigger E-mail with attachment using JavaMail API, JDBC, Log4j to automate a vital manual work, thereby reducing man-hours by 2 per day

PROJECTS

The Music Store   **GitHub**
HTML5, CSS3, Bootstrap, JavaScript, jQuery, Oracle SQL, JSP, Java, Spring MVC
- Designed, documented and developed a web application for Music (Album-Tracks) management using Spring MVC framework
- Implemented login authentication, file upload feature and CRUD operations to manage Music Albums with its respective Tracks

Weather App   **GitHub**
HTML5, CSS3, JavaScript
- Built a standalone web application to get current weather conditions based on user's geographical location co-ordinates
- Employed OpenWeatherMap API as free online service to get weather forecast data of user location in JSON format

Secure Auditing and Deduplication of Data
HTML5, CSS3, JavaScript, JSP, Servlets, MySQL, Java
- Developed a Java based enterprise application along with team to address security and storage issues in Cloud platform
- Implemented content check mechanism to check redundant files, then file will be Triple DES encrypted and pushed to Cloud

VOLUNTEERING EXPERIENCE AND INVOLVEMENTS

Web Developer | Kannada Academy   **Website**
HTML5, CSS3, Bootstrap, JavaScript, Google Apps Script, Google Sites
- Orchestrated the solution for books ordering system along with PayPal integration that has received 50+ orders till date
- Coded a generic template structure for students registration form to schools making the whole process simple and efficient