Vishnu Bhargavi Sabbisetty

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EDUCATION

Northeastern University, Boston, MA   *Expected Graduation August 2020*
Master of Science in Information Systems   GPA – 3.74
Relevant Coursework: Application Engineering Development, Web Design and User Experience, Program Structure and Algorithms, Web Development Tools and Methods, User Experience Design and Testing, Smartphones Based Web Development, Network Structures and Cloud Computing

Koneru Lakshmaiah Education Foundation, Guntur, India   May 2018
Bachelor of Technology in Computer Science and Engineering   GPA – 3.61
Relevant Coursework: ADBMS, Computer Networks, Operating Systems

PUBLICATIONS

A Fuzzy Preference Tree-based Recommender System for Medical Database – (Java, MySQL, JavaScript, MongoDB)
International Journal of Engineering and Technology (UAE) a Scopus Indexed Journal.
Vol 7, No 1.1(2018), Special Issue 1, Pages: 319-321   Dec 2017
Link: https://www.sciencepubco.com/index.php/ijet/article/view/9712

TECHNICAL SKILLS

Programming Languages:	Java, C++, C, Swift, Python, R, Shell Scripting
Development Tools:	NetBeans IDE 8.0.2, Eclipse, Visual Studio, IntelliJ IDEA, Circle CI, AWS and its services
J2EE Technologies:	JSP, JDBC, Servlets
Web Technologies:	JavaScript (ES6), NodeJS, AngularJS, HTML, CSS, SCSS, TypeScript, Webpack
Operating System:	Mac OS, Windows, Linux, CentOS
Database and Server:	MySQL, MongoDB, Firebase Realtime Database, JSON, XML, Apache Tomcat
Framework/Tools:	Spring MVC, Express, XCode, Hibernate, Git, Swing, Grafana, ELK Stack, Scrum/Agile

ENGINEERING EXPERIENCE

***Software Engineer Intern,** Alert Innovation,* N Billerica, MA   May 2019 – Dec 2019
- Configured a multi-master replication service using Binary Logging. Designed a dashboard to project KPIs using Grafana
- Developed REST service for statistics database and validated with JUnit. Responsible for adding new features and bug fixing

***Graduate Teaching Assistant,** Northeastern University,* Boston, MA   Jan 2019 – April 2019
- Aid students with class assignments based on JavaScript, Angular, Node.js, MongoDB, HTML, SCSS; and grade students
- Conduct one on one and small group meetings to help students to resolve challenges they face during the class

***Project Intern,** Knowledge Engineering Research Group,* K L E F, Guntur, India   July 2017 – Dec 2017
- Developed an application for user to get immediate medical assistance related to prediction of disease, medication, precautions, doctor suggestion
- Redesigned the relational DB to MongoDB which helped in easy mapping and reduced the data complexity by 30%

ACADEMIC PROJECTS - Northeastern University

GetTrained - MEAN Stack, HTML, SCSS   Sept 2018 – Dec 2018
- Developed a web application using MEAN Stack to design REST API for querying and persisting data on MongoDB
- Ensured user security by adding features such as authentication, session and role management, front-end validations

Welvets - Java Swing Framework, NetBeans   Sept 2018 – Dec 2018
- Created a job portal for retired veterans. They have updates related to nearby events for networking
- Job providers have access for veteran job applications, so they can process and schedule interviews accordingly
- Used Ecosystem model and singleton pattern to establish communication between organizations of different networks

CourseManager - Spring MVC, Hibernate, MySQL, JQuery, AJAX   Jan 2019 – April 2019
- Designed a course management dashboard which can be used by students and professors
- Handled session management, and provided authentication and authorization using BCrypt

MusicGen - Java 8, JUnit Testing Framework   Jan 2019 – April 2019
- Created a Genetic Algorithm which can produce music which matches original music by 99%
- Improved the efficiency by of code by multithreading and tested using JUnit testing Framework

MediCARE - Swift, XCode, Firebase Realtime Database   Sept 2019 – Dec 2019
- Developed an IOS mobile application to bridge the gap between EMS and Hospitals. Used Firebase for authentication
- Provided inbuilt maps to share live location from EMS and update case ETA accordingly in the hospital dashboard