AKSHAY DALAVAI

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- 2 years of experience as Software Development Engineer in Information Technology and HealthCare Industry
- Strong in Java programming, Python and Spring boot
- Thorough understanding of Data Structures and algorithms

TECHNICAL SKILLS

Programming Languages: Java, Python, C++	**Java Framework:** Spring Boot, Hibernate, JDBC
Web Technologies: HTML, CSS, JavaScript.	**Database:** MySQL, M SQL server, MongoDB
Exposure: Machine Learning, AI, Kotlin, Apache Tomcat.	**Subversion Tools:** GIT, SVN

WORK EXPERIENCE

MDVIP | Data Engineering/Science Intern | Boca Raton, FL   Sep 2020 – May 2021
- Automated Cancellation probability model and cancellation metrics calculation using Azure ML studio
- Embedded Power BI content into a web application using Java and Spring MVC
- Developed a model to predict the likelihood of member joining MDVIP (model trained on 1.3 billion user records) using Random forest classifier and obtained an accuracy of 74% and deployed the ML model to Azure App Service

Chinasoft International Pvt Ltd | Associate Software Engineer | Bengaluru, India   Jan 2018 – April 2019
- Developed and customized a proprietary algorithm that made up the core business logic for CBS(Convergent Billing System) using C++
- CBS enabled customers to increase revenue by around 10% and grow customers at a faster rate
- Actively participated in design brainstorming, requirement analysis, reviewing peers code, unit testing and demonstrated excellent service in handling Customer Site Support and Test team queries
- Developed a system using Java, Spring MVC, Hibernate, HTML, CSS, JavaScript for customer support companies, to facilitate in creating and tracking customer trouble tickets, service requests which are used by call centre agents for providing support to customers
- Developed a functionality in the platform to send emails internally to various stakeholders to update and close the trouble tickets using Visual Basic for Application scripts

EDUCATION

Master of Science in Computer Engineering, Syracuse University, Syracuse, NY   2019 - 2021

Bachelor of Engineering in Electronics and Communication, RNS Institute of Technology, Bengaluru, India   2013 - 2017

ACADEMIC PROJECTS

University Guide – Ask to know | Syracuse, NY
- Designed the system that gives prospective and current students a forum to discuss, clarify and gain information
- Developed RESTful Web service for the application which involved Spring REST to integrate Spring MVC design pattern and Hibernate framework for data persistence
- Architected an entire DB schema and implemented it
- Currently working on Android Mobile Application

American Checkers - AI | Syracuse, NY
- Designed and developed two player checkers, an AI game, collaborating with my teammate using Monte Carlo Tree search algorithm.
- Implemented logic for the pawn movement and evaluation function for scoring the game which increased the AI accuracy by 14%.

Predicting Ad Click | Syracuse, NY
- Developed a predictive model to analyze user behavior and predict if a particular user will click on an advertisement displayed on the web pages, using machine learning algorithms and validated using confusion matrix
- Implemented two algorithms – Decision Tree (accuracy of 92%) and Logistic Regression (accuracy of 88%)