DIKSHALI BHIKAJI MARGAJ

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EXPERTISE AND SKILLS

Programming languages: Java 8, Android, C++, Spring MVC, Python
Web Technologies: HTML5, CSS 3, Bootstrap, JavaScript, AngularJS-1, Node.js, Express.js
Cloud Platform: Amazon Web Service (AWS), Cloudera, Hadoop
Version control: GitHub, Bitbucket, TortoiseSVN, Team Foundation Server (TFS)
Tools: Maven, Jenkins, Eclipse, Tortoise SVN, SonarQube, IntelliJ, PyCharm, Jupyter Notebook, Android Studio, Jira
Databases: MongoDB, MSSQL, PostgreSQL, Google Firebase, MySQL
Operating System: Windows, Linux

EDUCATION

Master of Science in Computer Science | University of North Carolina at Charlotte | Charlotte, NC | **GPA - 3.8**   **May 2020**
Bachelor of Engineering in Information Technology | University of Mumbai | Mumbai, India | **Percentage - 72.30%**   **May 2015**

WORK EXPERIENCE

TimeTap, Charlotte, NC | Software Development Intern   Jul 2019 – Dec 2019
- Worked as a backend developer to build Time Scheduling Software using **Java 8 and Spring MVC** to manage appointments and produce personalize custom booking site
- Implemented **RESTful API** services to achieve functionality like custom fields to get more client details in **Java and Spring MVC**
- Developed functionalities for native **Android** (**Java**) application, thus bringing up the rating to **3.1** in play store with more than 1000 downloads. Solved bugs by rewriting and improving the existing code

Tata Consultancy Services, Mumbai, India | Software Engineer   Aug 2015 – Jun 2018
- Developed a full stack application using **HTML5, CSS 3, AngularJS-1, Java 8, Maven 3, Spring MVC framework** and **PostgreSQL** with Agile methodology to log the opportunities and offerings for the company and monitor the revenue generated
- Managed local team for creating and consuming RESTful API services to deliver functionalities like search, mail notification, file upload and download, etc. in **Java, Spring MVC** and amplified satisfactory index by 30%
- Optimized load time from **6s to 1s** by minimizing HTTP requests, implementing CSS sprites, applying gzip compression at the server, minifying the **JavaScript** and **CSS** reference files
- Implemented **JUnit** test suites to test each module and inspect the business logic. Pioneered Automation and Continuous Integration pipeline using Jenkins thereby reducing the release time by 80%
- Awarded as **"Best Team"** in July 2017 for continuous 6 months defect free delivery

Bhabha Atomic Research Center (BARC), Mumbai, India | Software Intern   Jul 2014 - Apr 2015
- Designed a **Simulator** to detect signals from detector and modeled a corresponding 3D Flux map to observe the operation
- Interacted with clients and executed requirement gathering and feasibility analysis to present the desired functionality in Borland **C++** Builder

PROJECTS

Smart Bluetooth Market Place [GitHub link] (Stripe, Estimote SDK, Android, Java, Node.js, MongoDB, Heroku)   Oct 2019
- Engineered a Bluetooth enabled android app to find all products for the aisle closest to user using **Estimote Bluetooth Beacons**
- Integrated **Stripe payment** system to buy the products and generate the invoice

Package Tracking System [GitHub link] (Java, MySQL, Java Applet, Multithreading)   Oct 2019
- Devised a system to sends and track a package from one place to another in the system by entering the tracking number
- Improved performance with threads concept for package creation and Dijkstra's algorithm calculated shortest path between 2 points

E-Commerce App [GitHub link] (Braintree, Android, Java, Node.js, MongoDB, Heroku, JWT token)   Sept 2019
- Delivered an e-commerce android app with **Braintree** payment system and performed user authorization in the server using JWT tokens

Chat Room App [GitHub link] (Android, Java, Google Firebase, Google Maps, Google Direction API)   Aug 2019
- Built a Chatroom android app to join a group and chat with the members. Expanded with functionality to request a ride in the group
- Incorporated Google Maps to synchronize driver and rider's live location in real time

Customer Retention Prediction using Machine Learning [GitHub link] (Python)   Jan 2019
- Led the team and applied Machine learning concepts to execute algorithm in python to predict factors that impact customer retention
- Analyzed telecom customer churn dataset provided by Kaggle with more than 7000 data

Travel Web Application [GitHub link] (HTML5, Node.js, JavaScript, CSS, MongoDB)   Jan 2019
- Deployed a website to look around the best tourist places. Wrote API's to demonstrate Node.js concept and stored data in MongoDB

Trip Planner [GitHub link] (Android, Google places API, Firebase)   Oct 2018
- Produced a trip planner app with Google Authentication to select a city and nearby restaurants from Google API
- Generated a trip map of all the selected restaurants using Google direction API