DIKSHALI BHIKAJI MARGAJ

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EXPERTISE AND SKILLS

Programming languages: Java 8, Android, C++, Spring MVC
Web Technologies: HTML5, CSS 3, Bootstrap, JavaScript, AngularJS-1, Node.js, Express.js
Cloud Platform: Amazon Web Service (AWS), Cloudera
Version control: GitHub, Bitbucket, TortoiseSVN, Team Foundation Server (TFS)
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 like create appointment for Backoffice in **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** which amplified satisfactory index of application 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 and loading the JavaScript & CSS files asynchronously.
- Implemented test suites using **JUnit** Test Case classes 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 for Advance Heavy Water Reactor to detect signals from the self-powered neutron detector (SPND) 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. Tested manually to inspect the correctness of functionality and validated the result against the desired output.

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 source and destination.

E-Commerce App [GitHub link] (Braintree, Android, Java, Node.js, MongoDB, Heroku, JWT token)   **Sept 2019**
- Delivered an e-commerce android app to buy products 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, chat with the members in the group. 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**
- Applied Machine learning concepts to execute an algorithm in python that can predict factors that impact customer retention. Analyzed telecom customer churn dataset provided by Kaggle with more than 7000 data.

Travel Website [GitHub link] (HTML5, Node.js, JavaScript, CSS, MongoDB)   **Jan 2019**
- Deployed a website to plan a perfect holiday to look around the world's 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.