Saurabh Anant Mhatre

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EDUCATION

Master of Computer Science, Anticipated May 2021

North Carolina State University, Raleigh, NC

Relevant Coursework: Design and Analysis of Algorithms, Object Oriented Design and Development, Database Management Systems

Bachelor of Engineering in Computer Engineering, May 2017

Vidyalankar Institute of Technology - Mumbai University, Mumbai - CGPA: 8.81/10.0

TECHNICAL SKILLS

Languages:	Java, C, Python, Ruby
Web technologies:	HTML, CSS, JavaScript, AngularJS, jQuery, Ruby on Rails
Databases and Cloud:	Oracle, MySQL, Firebase Cloud Messaging
Frameworks:	Spring Boot, Drop Wizard, Hibernate, Android, Struts 1.x

WORK EXPERIENCE

Assistant System Engineer, Tata Consultancy Services Limited, Mumbai   September 2017 – June 2019

- Engaged in weekly Agile meetings and discussions with customers to understand requirements and propose solutions
- Managed integration and maintenance of services with Box API endpoints by utilizing Box Java Software Development Kit
- Improvised the working of a legacy content management application through various enhancements and bug fixes
- Collaborated with DevOps for building continuous integration and continuous deployment pipelines for various services
- Developed REST API endpoints for internal projects leveraging frameworks such as Hibernate, Drop Wizard and Spring Boot
- Modeled a POC application allowing custom forms to be built and responses to be recorded and downloaded for internal use
- Facilitated creation of forms through a combination of six types of form fields i.e., text boxes, check boxes, radio buttons, etc.

PROJECTS

Ask Me Anything – Java, AngularJS Web Application

- Constructed a website to facilitate users features to ask questions and answer questions asked by other users
- Created a responsive UI using Bootstrap and secured API endpoints using database backed Basic Authentication
- Devised a mechanism to ensure the most popular questions and/or answers always appear at the top of results
- Implemented privilege level access to allow only signed in users to ask/answer questions and/or up-vote questions and answers

Travel Emergency Response System – Android Application

- Conceptualized and programmed a prototype application to permit travelers to search for garages and avail services
- Implemented an OTP mechanism to address security concerns by generating 8-character random codes for every user request
- Integrated Firebase Cloud Messaging APIs for communication between user and service provider devices over the Internet
- Incorporated Google Maps APIs for showing a user's location with respect to available garages within a two-mile radius

Course Management System - Ruby on Rails Web Application, Open Source Project

- Contributed to an Open Source Project used for course management and peer reviews at North Carolina State University
- Analyzed assignment creation module and allowed drop topic deadlines to be associated with topic within assignments
- Leveraged an open source job scheduler written in Ruby to schedule jobs for dropping waitlists for topics after deadlines
- Augmented the process of creation of weighted questionnaires of various kinds and created automated tests

Library Management System - Ruby on Rails Web Application

- Implemented a system to allow books to be added to various libraries belonging to universities from a central repository
- Configured the application to send email notifications regarding the status of books requests, availability and overdue fines
- Integrated social login and account creation via Google accounts using OAuth standard

Study Buddy – Android Application

- Programmed an Android application to enable students to keep a track of weekly schedules and assignments
- Created a task manager cum schedule tracker to allow creation, deletion and modification of tasks by subjects
- Configured the application to notify users of daily submissions and display a weekly view of pending tasks

EXTRACURRICULAR

- Designed promotional content and publicity brochures as a member of creative team of the official student body at VIT
- Undertook two modules of Dale Carnegie training - Winning People with Professionalism and Executive Excellence