PRATIK PRAMOD SINGH

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EDUCATION

University of Texas Arlington, Arlington, Texas.   **2018 - 2020**
Master of Science in Computer Science
Coursework: Design and Analysis of Algorithm, Advance Software Engineering, Cloud Computing, Artificial Intelligence, Software Testing, Distributed Systems, Web Data Management, Database Systems, Software Engineering, Secure Programming, Information Security, Python Programming.

University of Mumbai, Mumbai, India   **2014 - 2018**
Bachelor of Engineering in Computer Engineering
Coursework: Discrete Structures, Digital Logic Design and Applications, Computer Organization and Architecture, Operating Systems, Analog and Digital Communication, Theory of Computer Science, Microprocessor, Data Warehouse and Mining, System Programming and Compiler Construction, Artificial Intelligence, Distributed Computing.

EXPERIENCE

WEB DEVELOPMENT FREELANCER, Mumbai, India   **2017- 2018**
- Identified, developed and evaluated Web based marketing strategies based on knowledge of client's objectives.
- Promoted brand awareness through SEO optimization and attractive web design.
- Responsible for the coding, design and layout of the website according to the client's specifications
- Developed features for admin panel like user management, merchant management, user's reports with different types of graphs and metrics.

TECHNICAL PROFICIENCIES

- **Languages**: Java, Python, C, C++, JavaScript, SQL.
- **Web technologies**: HTML, CSS, PHP, Bootstrap, JSON, jQuery, REST API, NodeJS, ReactJS
- **Framework & Runtimes**: AngularJS, JUnit, Selenium, Laravel, Bootstrap, Spark, Pig, Hive.
- **Databases**: MySQL, Oracle, SQLite, Microsoft SQL Server, MongoDB.
- **Tools/IDE/Web Services**: Git, Eclipse, PyCharm, Visual Studio Code, NetBeans, GitHub, Jira, REST/SOAP.
- **Cloud Platform**: Amazon Web Services(AWS), Microsoft Azure.
- **Operating Systems**: Linux, Unix, Windows, Mac OS

PROJECTS

- **DMAIC: Data Analysis and Root Cause Analysis**   **November 2019**
  The purpose of this project was to apply techniques such as the DMAIC method and, in particular, root cause analysis and data analysis method. To determine variation and poor performance (defects) and improve process performance by addressing and eliminating the root causes.

- **Client Server Chat System (Java, Socket Programming)**   **May 2019**
  Using Java, NetBeans IDE and TCP/IP connection, to create a concurrent Client-Server Model that can be used as a multiple-client chat box and a client-server command system to execute basic commands.

- **Application for University Activity Center (Java, Android)**   **November 2018**
  This application was developed to help student to manage their activities related to the activity center and get the schedules of event going on in the center in which they can enroll themselves. We build it using various designing techniques and android studio.

- **Security Database Management (Java, HTML, MySQL, CSS)**   **December 2018**
  The multi-functional database was designed to keep track of the information about an DBMS subsystem for managing discretionary access control. The tool used to develop it were MySQL along with PHP, HTML, and CSS for proper user interaction.

- **Portfolio Website (JavaScript, CSS, HTML5, MySQL)**   **November 2019**
  The website was developed using JavaScript, PHP, CSS, HTML, Bootstrap and later implemented on Laravel following the MVC to showcase my portfolio digitally to anyone interested to procure my services. The admin was made to login through the admin panel and can make changes to the website and separate a login page was developed for the visitors who were interested in reaching out to me.

- **Website for a Dental Clinic (JavaScript, CSS, PHP, HTML, MySQL)**   **December 2017**
  The website developed allowed the patient to register, book slots and appointments for their routine as well as new checkups.