YATRIK PATEL

patelyatrik0@gmail.com|313-888-4480|Dallas,TX|https://www.linkedin.com/in/yatrik--patel/

SKILLS

Programming and Scripting Languages: Java, Python, C++, JavaScript, PHP, HTML, CSS
Big data Ecosystem: Hadoop, MapReduce, Hive, Spark
Frameworks: Laravel, Bootstrap, React.js, Node.js, .NET
Database: SQL, MySQL, Firebase
Operating Systems: Windows, OS X, Linux
Technologies and Libraries: Android Studio, Arduino, Raspberry Pi, Visual Studio, Sublime, PyCharm
Others: Data Structures, Algorithms, Object Oriented Design, IoT, Distributed Systems, Networking, MS Office

EDUCATION

Master of Science, Computer Science   Jan 2021 – Dec 2022
The University of Texas at Arlington

Bachelor of Technology, Computer Science   Jun 2016 – Jul 2020
Sankalchand Patel University

EXPERIENCE

Android App Development Intern, Metizsoft Solutions Private Limited   Aug 2018 - Dec 2018
- Worked Collaboratory in a team of 8 on project module. Involved with all phases of mobile app development from initial concepts, design, development, testing and deployment.
- Developed an UI for dashboard, backend for login database and dashboard for user and admin. Implemented geofencing for push notification using firebase. Utilized agile development methodology

.Net Technology Intern, WayToWeb   April 2018 – May 2018
- Worked as assistant on live project. Established compatibility with third party software products by developing program for modification and integration.
- Developed and implemented complex Internet and Intranet applications on multiple platforms.
- Coordinated with systems partners to finalize designs and confirm requirements.

Java Junior Software Developer, Nextgen Software Solution   Jan 2019 – Jul 2019
- Collaborated with other developers on designing, developing, testing, and implementing new JSP pages, HTML pages, and Servlets. Developed databases and original eye-catching user interfaces
- Configured and updated company JMS server. Maintained company website and using own knowledge and experience resolved any problematic issues.
- Provided web support and beneficial advice to clients.

PROJECTS

Immigration Portal (JavaScript, HTML, CSS, PHP, MySQL, Laravel, Node.js, React.js)
- Created a Full Stack Immigration Portal which mainly assists Immigrants and visitors, also it makes efficient for administration to manage.
- Created a dynamic and analytical UI, designed a dashboard, determined backend data display and added a chat feature, blog and media sharing platform.
- The Front-end was designed using HTML, CSS and JavaScript, which was later converted to React.js. The Backend was managed using PHP, which was later converted to MVC architecture using Laravel.
- Chat was made using Node.js, database was stored and managed using MySQL. Also, Blog was made using WordPress.

Twitter data analysis (Java, Hadoop MapReduce, Scala, Spark, Pig, Hive)
- Analyzed a twitter data effectively with 1 million nodes using Hadoop MapReduce and Apache Spark.
- Implemented a Graph analysis program using Map-Reduce and Pregel on Spark GraphX.
- Performed various queries to data stored in different databases on Hive and using Pig.

iPhone Commerce DBMS (Java, MySQL)
- Developed an Extended Entity-Relationship (EER) diagram from the problem statement, mapped the EER to relational schemas and normalized the resulting relations to Boyce-Codd normal form (BCNF).
- Transformed the relations into tables in a Relational database management system (RDBMS) by using DDL and DML.
- Constructed complex SQL ad-hoc queries to satisfy the business requirements presented in the problem statement.
- Developed a front-end application using Java and JDBC that interfaces with the DBMS at the backend.

Brain wave controller (Android Application, Machine learning, Data Processing)
- The project works on electroencephalogram (EEG), and the primary purpose of the sub-applications is to work as an interface between the user and the machine.
- The headset measures the frequency of signals generated by the brain, sends it to our custom-made application, and processes it using machine learning algorithms. Using data processing technology, the data is then fetched by different modules, and as a result, the desired work is done.
- Received a registration grant of INR 200,000 for Student Start-Up Innovation Program 2019 for this project.

IMDB movie analysis (Java, Hadoop MapReduce)
- Modified a traditional algorithm with an algorithm that runs in a distributed manner to achieve better performance.
- The algorithm processed data with nearly 10 million rows Reduced the run-time by 10% using local combiner.