YATRIK PATEL

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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, PowerBI, 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

Software Developer, Vitalus Health LLC   Apr 2023 – June 2023
- I gained hands-on experience with Python, SQL, and Power BI, and developed an automated sales order system using Python and APIs, streamlining order processing and improving efficiency.
- I worked on Project based on PHP-Laravel and used that for Coordinating with SignNow and BrightTree Api.
- Additionally, I leveraged SQL databases to extract relevant data and employed Power BI for data visualization and analysis.
- This experience allowed me to deepen my understanding of Python, SQL, Php-Laravel and Power BI, while also contributing to the organization's data-driven decision-making processes.

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 for immigrants and visitors, improving administrative efficiency.
- Developed a dynamic UI with a dashboard, chat, blog, and media sharing. Front-end built with HTML, CSS, and JavaScript (later converted to React.js), and back-end managed with PHP (later converted to Laravel MVC).
- Chat implemented with Node.js and MySQL used for database storage. Integrated WordPress for the blog.

Twitter data analysis (Java, Hadoop MapReduce, Scala, Spark, Pig, Hive)
- Analyzed Twitter data with 1M nodes using Hadoop MapReduce and Apache Spark.
- Implemented Graph analysis with Map-Reduce and Pregel on Spark GraphX. Executed queries on Hive & Pig for diverse DB.

iPhone Commerce DBMS (Java, MySQL)
- Developed EER diagram, mapped to relational schemas, normalized relations to BCNF. Transformed relations to tables in RDBMS using DDL and DML.
- Constructed SQL ad-hoc queries to meet business requirements. Built Java and JDBC front-end app for DBMS integration.

Brain wave controller (Android Application, Machine learning, Data Processing)
- The project focuses on electroencephalogram (EEG) and aims to create a user-machine interface. The headset measures brain signals, sends them to our custom application, and uses machine learning algorithms for processing.
- Data processing technology enables different modules to fetch and accomplish desired tasks. Received INR 200,000 grant for Student Start-Up Innovation Program 2019.

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.