YATRIK PATEL

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SKILL

Programming and Scripting Languages: Java, Python, C++, JavaScript, PHP, HTML, CSS
Big data Ecosystem: Hadoop, MapReduce, Hive, Spark
Database and Frameworks: SQL, MySQL, Firebase, Laravel, Bootstrap, React.js, Node.js, .NET
Technologies and Libraries: Android Studio, Arduino, PowerBI, Raspberry Pi, Visual Studio, Sublime, PyCharm
Others: Data Structures and 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, Zenith Technology LLC   July 2023 – Nov 2024
- Developed and maintained Java-based applications using Core Java, JSP, and Servlets.
- Designed and optimized MySQL database schemas, writing complex queries, stored procedures, and triggers to enhance database performance.
- Integrated JDBC and Hibernate ORM for efficient database communication.
- Implemented RESTful web services to support front-end applications.
- Debugged and fixed application issues to improve performance and reliability.
- Worked closely with front-end developers to ensure seamless data integration between UI and back-end.
- Developed Employee Management System a web-based application using JSP, Servlets, and MySQL.
- Implemented CRUD operations for employee records using JDBC.
- Designed and optimized MySQL queries to ensure fast data retrieval.
- Worked on Online Inventory Management System where I built RESTful APIs to handle inventory transactions.
- Used Hibernate for database interactions and optimized query performance.
- Implemented role-based access control for secure data management.

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 a 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.

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 the company JMS server. I maintained the company website and using my knowledge and experience resolved any problematic issues and provided web support and beneficial advice to clients.

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

.Net Technology Intern, WayToWeb   April 2018 – May 2018
- Worked as an assistant on a live project. Established compatibility with third-party software products by developing a 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.

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.

iPhone Commerce DBMS (Java, MySQL)
- Developed EER diagram, mapped to relational schemas, and 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 apps for DBMS integration.

Brain wave controller (Android Application, Machine learning, Data Processing)
- The project focuses on electroencephalograms (EEG) and aims to create a user-machine interface. The headset measures brain signals, sends them to our APP, 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 the Student Start-Up Innovation Program 2019.