SPARSH DOSHI

Mumbai, Maharashtra, India

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PROFESSIONAL SUMMARY

Motivated Software Developer with expertise in Java, Python, JavaScript, HTML, and CSS. Skilled in solving complex problems and improving application performance in collaborative team environments. Focused on enhancing user experience and contributing to innovative technology solutions. Eager to join an organization that supports professional development and values continuousimprovement.

TECHNICAL SKILLS

Languages: Java, Python, C, C++, C#, Html, Css, JavaScript, SQL
Developer Tools: Visual Studio Code, Visual Studio, Microsoft SQL Server Management Studio, GitHub
Technologies/Frameworks: React.js, Node.js, Asp.net
Relevant Coursework: Data Structures, Algorithms, Database Management System

WORK EXPERIENCE

Big Shares Services Pvt Ltd | *Software Developer Intern* July 2024 – October 2024
Project: Itrack (Web Application)

- Optimized and maintained critical database components, including 100+ stored procedures, triggers, views, and indexes, improving query execution time by up to 40% and application performance by 30% through C# and Ms SQL best practices.
- Conducted in-depth code analysis and debugging, resolving 95% of reported issues within deadlines and improving code quality by 25%, while collaborating with cross-functional teams to deliver scalable solutions.
- Addressed 250+ client-reported issues related to database performance and application functionality. Improved system reliability by 20% and increased user satisfaction by 15% through root cause analysis and targeted solutions.
- Streamlined database operations and performed performance tuning, reducing application response time by 35% and increasing system scalability, contributing to improved user experience and operational efficiency.

PROJECTS

Sign Language Detection | *Machine Learning, Deep Learning, Neural Networks, Python* June 2023 – May 2024

- Designed and deployed a real-time detection system with an intuitive graphical user interface (Gui), directly improving accessibility for 466M+ individuals in the deaf and hard-of-hearing community globally.
- Developed an advanced Sign Language Detection system leveraging Machine Learning and Deep Learning techniques, enabling effective real-time communication.
- Implemented Convolutional Neural Networks (Cnns) to achieve 98% accuracy in recognizing and interpreting sign language gestures, surpassing standard benchmarks.

Content-Based Image Retrieval (Cbir) | *Matlab,Python* January 2023 – April 2023

- Engineered a Content-Based Image Retrieval (Cbir) system in Matlab, enabling rapid and accurate image searches based on visual content.
- Implemented advanced feature extraction algorithms to analyze image properties, improving retrieval accuracy by 30%.
- Developed a user-friendly interface for seamless querying and result visualization, optimizing retrieval speed by 40% and ensuring reliable performance for large-scale image databases.

EDUCATION

Rajiv Gandhi Institute of Technology Jul 2020 – June 2024
Bachelor of Technology in Electronics and Telecommunication Engineering (GPA: 9.01/10) *Mumbai, India*

Nirmala Memorial Foundation College of Commerce and Science Jul 2018 – Jun 2020
Higher Secondary Certificate (Hsc) - Science Stream (76.32%) *Mumbai, India*

Poorna Prajna High School Jun 2007 – Jun 2018
Secondary School Certificate (Ssc) (84.80%) *Mumbai, India*