

Sourabh George

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Java Full Stack Developer

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portfolio

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Profile Summary

Software Developer with an MSc in Computer Science and certified training in Java Full Stack Development. Skilled in back-end technologies Java, SQL and front-end technologies React JS, JavaScript, HTML5, CSS3. Experienced in projects involving machine learning and deep learning. Strong problem-solving ability with a passion for building scalable and innovative software solutions.

Work Experience

• Web Developer & IT Support

June 2020 – July 2022

Richard & Co

- Developed and maintained company websites, ensuring responsive design, security, and performance optimization.
- Updated and managed website content to improve user experience and accessibility.
- Provided IT support including installation, configuration, and troubleshooting of applications such as Tally Prime and other client-specific software.
- Managed network setup, monitoring, and troubleshooting to minimize downtime and ensure smooth operations.

Skills

• HTML5:

- Good knowledge of creating structured, responsive web pages with semantic elements, multimedia, and hyperlinks.

• CSS3:

- Skilled in styling and layout, including responsive design and user-friendly interfaces.

• JavaScript:

- Proficient in ES6+ features such as arrow functions, promises, async/await.
- Familiar with DOM manipulation, event handling, and integrating browser APIs for dynamic UIs.
- Experience using JavaScript with HTML5/CSS3 to create dynamic and responsive interfaces.
- Worked with JSON data structures for exchanging data with APIs.

• React:

- Learned and practiced building Single Page Applications (SPAs) using React.
- Created reusable components for building modular UIs.
- Used props and state to manage and pass data between components.
- Applied hooks like useState and useEffect.
- Worked with API calls using fetch().

- **Java:**

- Strong understanding of core Java and OOP concepts including classes, objects, encapsulation, inheritance, polymorphism, abstraction, and interfaces.
- Knowledge of Collections (ArrayList, HashMap, HashSet) for efficient data storage and retrieval.
- Java exception handling, file I/O, and serialization.

- **SQL:**

- Experience creating and managing tables and databases.
- Strong knowledge of RDBMS, SQL data types, and constraints.
- Familiar with SQL statements: DDL, DML, DCL, TCL, and DQL.
- Skilled in writing joins, subqueries, grouping, and using SQL functions.

- **Communication Skills:** English (Fluent), Malayalam (Native), Hindi (Beginner), Tamil (Beginner)

Projects

- **Efficient Compression Of MRI Images Using Deep Learning Techniques** 2024
Project focused on compressing medical images, optimizing storage without compromising diagnostic quality.
 - Technologies Used: Python, TensorFlow, Attention U-Net, Autoencoder architectures.
 - Engineered a two-phase pipeline: segmenting MRI scans with Attention U-Net and compressing with Autoencoders.
- **NSS Management System** 2023
Project Management, Development, Collaboration, Documentation
 - Technologies Used: HTML5, CSS3, JavaScript, Java, MySQL, Version Control: GitHub
- **Car Rental Website** 2020
Final Year Project — Development and Documentation
 - Technologies Used: HTML5, CSS3, JavaScript, PHP, Bootstrap, MySQL

Education

- **Mahatma Gandhi University (School Of Computer Sciences)** MSc. Computer Science
2022–2024
- **University Of Calicut (LISSAH College)** BSc. Computer Science
2017–2020

Certifications

- **SQL Bootcamp (2025):** CRUD operations, Grant and revoke, Joins.
- **Advanced Deep Learning Techniques (2024):** Transfer Learning, AutoEncoders, LSTM, GAN.
- **Introduction to CEH (2023):** Ethical hacking, Kali Linux, phishing, cybersecurity tools.