

# Sourabh George

Java Full Stack Developer

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## Profile Summary

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Software developer with an MSc in Computer Science and certified training in Java Full Stack Development. Skilled in back-end technologies like Java and SQL, and front-end technologies including HTML5, CSS3, and JavaScript. Completed academic projects in machine learning and deep learning. Eager to apply strong problem-solving skills and contribute to innovative software solutions in a dynamic development environment.

## Work Experience

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### IT Support & Junior Web Developer

*June 2020- July 2022*

#### Richard & Co

- Developed and maintained company websites ensuring responsive design, security, and performance optimization.
- Maintained and updated website content, improving 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, maintenance, and troubleshooting to ensure minimal downtime.

## Skills

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- **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.
- **Java:**
  - Strong understanding of core Java and OOPs concepts including classes, objects, Encapsulation, Inheritance, Polymorphism, Abstraction, and interfaces.
  - 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

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- **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

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| • <b>Mahatma Gandhi University (School Of Computer Sciences)</b><br><i>2022–2024</i> | <b>MSc. Computer Science</b> |
| • <b>University Of Calicut (LISSAH College)</b><br><i>2017–2020</i>                  | <b>BSc. Computer Science</b> |

## Certifications

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- **Advanced Deep Learning Techniques (2024):** Transfer Learning, AutoEncoders, LSTM, GAN
- **Introduction to CEH (2023):** Ethical hacking, Kali Linux, phishing, cybersecurity tools