



Aaroophan S. Varatharajan

Full Stack Developer | Junior Database Developer | Former Intern Software Engineer
MERN Stack Enthusiast | Databases | React | Node | Agile Team Player

 **Aaroophan SV**
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 **Colombo, Sri Lanka.**
 **Aaroophan SV**
 **R-U-Fun**

SKILLS:

- JavaScript, HTML, CSS, SQL, PHP, Java, Python, C#, C, C++
- React.js, Bootstrap, Three.js, Node.js, Express.js, Flask
- MySQL, PostgreSQL, MongoDB, SQL Server Management Studio (SSMS), NoSQL, SQL Server Integration Services (SSIS), SQL Server Reporting Services (SSRS), Firebase, Oracle, MongoDB, PgAdmin4, DBeaver
- Visual Studio, Android Studio, Git, GitHub, Trello, JIRA
- PyTorch, HuggingFace, Pandas, NumPy, OpenAI API, Natural Language Processing (NLP), Machine Learning (ML)
- Adobe Photoshop, Adobe Illustrator, Adobe After Effects, Autodesk Maya, Finacle

REFERENCES:

Lasintha Ferdinando

FCMA (UK), FIB (SL), MBA (UOC), CCM (FASEC), CGMA, GSLID
MSc - IT & Strategic innovation (UK)

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Aruni Samaraweera

Project Manager
Alliance Finance Company PLC
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I am Aaroophan Varatharajan, a recent Computer Science and Software Engineering graduate from SLIIT City Uni, affiliated with the University of Bedfordshire, UK, with a Second-Class Upper degree and a Higher Diploma in IT. I was recognized on the Dean's List. I am working as a Junior Database Developer at M Data Zone (Colombo, Sri Lanka) since September 2024. I have expertise in web development because, my interest is in the MERN Stack, and I have completed some projects using this technology stack, with a strong command of HTML, CSS, JavaScript, SQL, React.js, Node.js, PHP, Java, C# and Python, Flask, Open AI API and Machine Learning, along with a good command of English with IELTS - 7.0. My hands-on experience at M Data Zone and Alliance Finance Company has made me proficient in React, NodeJS and databases, including MySQL, PostgreSQL, and MongoDB. Connect with me to learn more about how my skills can contribute to your team.

EXPERIENCE



Junior Database Developer

M Data Zone (PVT) LTD • Colombo, Sri Lanka • On-site
September 2024 - Present

- Designed, developed, & maintained SQL databases for various applications.
- Wrote efficient SQL queries, stored procedures, triggers, & functions.
- Performed database tuning & optimization to maximize performance.
- Collaborated with teams to gather requirements & design database architecture.
- Troubleshoot & resolved database-related issues promptly.
- Ensured data integrity, security, & compliance with industry best practices.
- Developed & maintained documentation for database design & processes.



Intern Core Banking Software Engineer

Alliance Finance Company PLC • Colombo, Sri Lanka • On-site
November 2023 - September 2024

- Developed & hosted a MERN + PostgreSQL application for Reports.
- Conducted Finacle data validation with PostgreSQL & MongoDB queries.
- Performed manual testing for core banking solution workflows.
- Created test cases & documentation.
- Identified & reported bugs of core banking solution workflows.
- Helped with security measures, including a sanction list.
- Conducted UAT training sessions & provided ongoing support for users.

EDUCATION



University of Bedfordshire (UK) • 2023 - 2024

BSc (Hons) Computer Science and Software Engineering
• Second Class Upper



SLIIT City Uni • 2021 - 2023

Higher Diploma in Information Technology
• Dean's List Award



St. Michael's College • 2006 - 2019

High School

CERTIFICATIONS



The Complete Web Developer Course 3.0 • CODESTARS



IELTS Score - 7.0 (Academic) • BRITISH COUNCIL



PROJECTS

- **AFC's LOD Web Application - Jul 2024 - Jul 2024**

Developed and implemented a new Letter of Demand (LOD) Web Application for Alliance Finance PLC's LIME banking solution in just one day using the MERN Stack and PostgreSQL. This secondary MERN Stack application integrates with Lime's MongoDB and Finacle's PostgreSQL databases to generate LOD issued details. The Audit and Legal teams use it to input parameters and produce a comprehensive LOD posting list in PDF format for their daily tasks.

- *JavaScript, MongoDB, ExpressJS, ReactJS, NodeJS, PostgreSQL, Bootstrap, Mongoose*

- **MendTale - Link - Dec 2023 - May 2024 - UG Project**

The idea of MendTale is to develop a text-based adventure game website that analyses user's mood by utilizing machine learning and provide feedback through storytelling using Natural Language Processing to promote a sense of emotional-awareness among its users. By combining gaming, personal journaling, machine learning, and storytelling, users will be encouraged to interact with the platform regularly, turning this emotional-awareness promotion into an enjoyable and informative experience.

- *JavaScript, Python, MongoDB, ExpressJS, ReactJS, NodeJS, Flask, PyTorch, OpenAI, Bootstrap, Mongoose, GitHub*

- **Domeytoe - Link - Oct 2023 - Dec 2023 - Demo**

Developed the game 'Domeytoe' in MERN Stack to use the **'Tomato' API**. This Computer Integrated Systems module assignment asks to reflect on various concepts, paradigms and architectures related to Software Development. Software design principles, event-driven programming, interoperability, and virtual identity.

- *JavaScript, MongoDB, ExpressJS, ReactJS, NodeJS, Bootstrap, Mongoose, GitHub*

- **MovieList - Link - Jul 2023 - Aug 2023**

Developed a movie database website as a project to enhance my ReactJS skills. The website includes various functions such as the Home Page, Movie Page, Series Page, Search, Theme, Sign in, Sign up, Watchlist, Watch History, Dashboard, Profile, Edit Profile.

- *HTML, JavaScript, CSS, SQL, PHP, VS Code, ReactJS, MySQL, phpMyAdmin, Bootstrap, GitHub*

- **EveryMove - App - May 2023 - May 2023**

Developed 'Progress' function of a fitness nutrition tracking android app for a gym's members as a group project for Higer Diploma in Information Technology. The Progress function combines progress tracking, chart visualization, data saving, and post management.

- *Java, XML, Studio, Firebase, GitHub*

- **BaratieBakery - Link - Nov 2022 - Dec 2022**

Developed an e-commerce website for a model bakery as a project for Higher Diploma in Information Technology. The website includes various pages such as the Home Page, Product Page, Search, Sign in, Sign up, Cart, Checkout Bill, Order History, Dashboard, Profile, Edit Profile, Admin Product Page (with options to Edit, Delete, and set Availability, exclusive to administrators), and Admin Add Product.

- *HTML, CSS, JavaScript, jQuery, SQL, PHP, DreamWeaver, MySQL, phpMyAdmin, GitHub*

- **TimeTicker - Java App - May 2022 - Jun 2022**

Developed a Java Swing application for a watch sales and repair shop. Implemented features for managing watch sales invoices, watch repair jobs, spare parts, and part suppliers. Developed functionality for allocating employees to repair jobs and generating monthly income and expense reports. Integrated ability to send notifications to suppliers when parts are out of stock and to customers when repair job is completed via email.

- *Role - Project Manager, Spare parts management*

- *Java, NetBeans IDE, MySQL, phpMyAdmin, GitHub*