

# ARAFATH MSM

## Software Engineer

✉ [msmarafath1@gmail.com](mailto:msmarafath1@gmail.com)

in [Arafath MSM](#)

☎ +94772030373

🐙 [Arafath-MSM](#)

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## ABOUT ME

Passionate and detail-oriented Software Engineer with hands-on experience in full-stack development, cloud services, and DevOps practices. Proficient in building scalable web applications and APIs using React.js, Spring Boot, FastAPI, Django, and Laravel(PHP). Strong foundation in database design (MySQL, SQLite, H2, SQL Server) and experienced in agile workflows, secure coding, and tools like Jira, Git, Postman, and Swagger. Skilled in AWS services and Docker, with a proven track record of delivering impactful solutions

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## EDUCATION

### BSc.Eng (Hons) in Computer Engineering

University of Jaffna | CGPA: 3.2 / 4.0

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## WORK EXPERIENCE

### CODELANTIC – Associate Software Engineer

MAY/2025 – PRESENT

- [KarStation](#): React, Java, Spring Boot, Saas, Jira, postman, Gitlab

**KarStation** – A full-stack vehicle service and invoice management system

- Developed and implemented responsive UI components for core modules such as **Dashboard, Vendor, Spare Part Management, Service, Quote, Job, Technician, Finance, System Configurations, Accounts, and Profile Settings** based on provided Figma designs.
- Integrated React frontend with Spring Boot REST APIs to ensure smooth data flow and functionality across all system modules.
- Collaborated with the QA and backend teams to identify and resolve bugs, improving application performance and user experience.
- Actively collaborated with cross-functional teams in Agile sprints to identify and fix bugs, enhancing system stability.
- Used **React Hooks** and **Context API** for efficient state management across pages and shared components.
- Followed version control best practices using Git and participated in sprint planning via Jira.

### CODELANTIC - Software Engineer Intern

DEC/2024 – MAY 2025

- [Codelantic's Website](#): Laravel, PHP, MySql

**Codelantic Website** – Developed and maintained the official company website using **Laravel (PHP framework)**.

- Built modular and reusable components with **Blade templating engine**.
- Integrated **authentication, dynamic routing, and form handling** using Laravel's built-in features.
- Connected with **MySQL** database for content management and admin panel functionality.
- Ensured mobile responsiveness and improved UX with clean UI and optimized performance.

- [CHHCA Uk & Ezhuna](#) : PHP, HTML, CSS, JavaScript, Bootstrap, MySql, Jira

**CHHCA UK** (Chennai Health Care Academy), **Ezhuna Site** (A platform featuring cultural books, events, and community activities)

- Frontend: Rebuilt and enhanced every page layout with responsive UI using Bootstrap, ensuring consistent styling across browsers and devices.
- Backend: Modified PHP-based functionalities for form submissions, content updates, and dynamic content rendering from MySQL.
- Bug Fixes: Identified and resolved UI/UX bugs, broken links, and script errors, improving page stability and user experience.
- Content Structuring: Organized and redesigned informational sections to enhance clarity and ease of navigation.

- **Document Management System – [Python , FastAPI, MySQL]**
  - Implemented RESTful APIs with FastAPI for document operations (upload, download, version control) and database schema with SQLAlchemy ORM.
  - The project was structured using Object-Oriented Programming (OOP) concepts
- **Product Management System \_ [Java Spring-Boot, React, H2 Database, ORM]**
  - Developed API's for add Product, add image, search by keyword, get product with Spring Boot.
  - Utilized Java Persistence API (JPA) with Hibernate as the ORM layer to abstract and manage database operation
- **E-Commerce Website Development with Django – [Python Django, Bootstrap]**
  - Implemented scalable and secure Webpage as backend with Django.
  - Developed a responsive UI using HTML, CSS, JavaScript, MySQL, and Django Templating.
- **Hotel Reservation System (.Net, React, nodejs, SQL Server, Figma, UI/UX, Git, Github)**

Contributed to the Yarl Vibe Restaurant Management System by handling Designer and developer. Focused on creating an efficient system to streamline restaurant operations and improve user experience. (Software Engineering Group project)
- **Tamil Spell and Grammar Checker (Python, NLP, TensorFlow, PyTorch, Stream Lit)**

Developed a tool for detecting and auto-correcting spelling errors and grammar issues in Tamil text. Utilized **Natural Language Processing (NLP)** techniques to identify and correct errors in Tamil. Conducted accuracy evaluation using annotated paragraphs to ensure effectiveness.
- **Student Engagement measuring mechanism using Computer Vision | Final Year Research Project (YOLOv8, Python )**

Developed a DL model using YOLOv8 to measure student engagement in lectures by analyzing eye gaze, body posture, and head orientation. The research involved video frame extraction, annotation, to assess classroom dynamics and improve teaching effectiveness

## SKILLS

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|---------------------------|---|
| • Programing languages:   | Java, Python, JavaScript, PHP, C#   |
| • Frameworks & Libraries: | React JS, Laravel, Spring-Boot , .NET Core, ASP.NET MVC, FastAPI , Django, AngularJS, Bootstrap |
| • Web Technologies:       | HTML, CSS, RESTful APIs, Microservices  |
| • DevOps                  | Docker, CI/CD Pipeline  |
| • AWS                     | S3, Lambda, API GateWay, CloudWatch, AWS Transcribe, AWS Comprehend, IAM                        |
| • GCP                     | DataFlow, CloudBuild, AppEngine, Storage, etc.  |
| • Database                | MySQL, SQLite, MongoDB, PostgreSQL, SQL Server  |
| • Version Control         | Git, GitHub, Gitlab   |
| • Machine Learning        | Pandas, NumPy, Scikit-Learn, Matplotlib, Seaborn, XGBoost, CatBoost                             |
| • Testing tools           | Postman, selenium, Junit  |

## CERTIFICATIONS

- DevOps complete course
- Google cloud professional cloud Architecture
- Comprehensive Laravel 9
- Machine Learning with Python
- Advance Learning Algorithms
- Natural Language Processing in TensorFlow.

## SOFT-SKILL

- Agile and Communication Skills
- Collaboration Skills
- Self-learn
- Problem Solving
- Innovative
- Leadership

## Languages

• English ●●●●

Tamil: ●●●●●

Sinhala ●●

## REFERENCES

Dr. (Mrs.) Pratheeba Jeyanathan

Senior Lecturer Grade II

Department of Computer Engineering [pratheeba@eng.jfn.ac.lk](mailto:pratheeba@eng.jfn.ac.lk)

+94 21 206 0161

Dr. (Mrs.) Jananie Jarachanthan

Senior Lecturer Grade II

Department of Computer Engineering [jananie@eng.jfn.ac.lk](mailto:jananie@eng.jfn.ac.lk)

+94 21 206 0160