

ARUN JEGANATHAN

Software Engineer

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Summary

I value punctuality and precision in my work, allowing me to respond professionally and adapt swiftly to evolving situations. My ability to quickly grasp new concepts is complemented by my curiosity, driving me to explore emerging technologies and tackle complex problems. With an insatiable thirst for learning, I constantly seek opportunities to expand my skill set and contribute meaningfully.

Education

Master of Science in Computer Science

University of Sri Jayewardenepura 10/2024 -

Present

Specialization: Advanced Algorithms, Machine Learning, Distributed Systems

- Research in AI, Cloud Computing, Cybersecurity, Software Architecture, and Big Data.

Bachelor of Science in Physical Science

University of Jaffna 08/2020 – 03/2024

Specialization: Computer Science, Statistics, Pure Mathematics

- Java, Python, HTML, PHP, Linked list, Laravel, MySQL, MongoDB, GitHub, OpenGL, Network Design, Management, and Troubleshooting, Host Administration with Linux.

Work Experience

Full-Stack Development Intern

Atlato PTY LTD, North Sydney, Australia

August 2025 – Present

www.atlato.com

Developing responsive front-end components for web applications, focusing on user experience and industry standards. Integrating and applying AI technologies to introduce intelligent features and enhance application capabilities. Collaborating within an agile team, utilizing Git for version control and participating in daily standups and code reviews to align with project goals.

Junior Full Stack Developer

Mancode

July 2024 – December 2024

mancode.lk

Developed and maintained front-end and back-end components using the MERN stack. Implemented dynamic features and functionality using React and Node.js. Collaborated with the team to create responsive web interfaces and worked on internal projects with PHP.

Projects

• Face Detection Attendance Management System

A system developed using OpenCV and Python to automate attendance marking through facial recognition. It captures images of employees or students, compares them with stored images, and updates the attendance record in a database.

• Personal Blog: github.com/ArunJeganathan1909/ark-s-blog.git

A personal blog website built using HTML, CSS, and JavaScript, allowing users to post, edit, and delete articles. The website is integrated with GitHub Pages for static hosting.

• Todo App (MERN Stack): github.com/ArunJeganathan1909/mern-todo-app.git

A full-stack MERN (MongoDB, Express, React, Node.js, Tailwind CSS) application to manage to-do tasks. It supports user authentication, task creation, editing, and deletion with data stored in MongoDB.

• Booking App: github.com/ArunJeganathan1909/booking-app.git

An online booking application that enables users to book and manage appointments. It includes a user-friendly interface, an admin panel for managing reservations, and integrates with a MongoDB database.

• Chat App

A real-time chat application built using WebSocket and Node.js. It supports multiple chat rooms, real-time messaging, and user authentication. The app is responsive and works across different devices.

References

Dr. K. Thabotharan

Senior Lecturer Gr.I B.Sc. (Hons) (Jaffna), M.Sc. (Akron), Ph.L. (Uppsala), Ph.D. (Colombo)
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Skills

Languages:

- Java
- Python
- JavaScript
- HTML
- PHP

Frameworks:

- MERN stack
- React JS
- Node JS
- Laravel framework
- Spring Boot

Databases:

- MySQL
- MongoDB

Web Technologies:

- HTML
- Intermediate CSS
- Tailwind CSS
- Bootstrap

Tools:

- Web Socket
- Firebase
- Cisco Packet Tracer
- Windows
- Linux (Ubuntu)
- PowerShell
- Bash (Basics)

Other:

- OOP Concepts
- Agile Methodologies
- Version Control (Git)
- Problem-solving
- Team communication
- Work independently
- Work part of the team
- Fast learning
- Leadership
- Building studies

Networking and Systems:

- Computer Systems and Network Fundamentals
- Hardware Troubleshooting (Laptops, Desktops, Printers)
- IT Equipment Maintenance and Repair
- Cisco Packet Tracer
- Host Administration with Linux

Languages

- English: Professional
- Tamil: Native
- Sinhala: Intermediate