



Sarath Adukkadukkam

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WORK EXPERIENCE

26 JUN 2024 – 25 JUL 2024 Bangalore, India
SWE INTERN TALISMA CORPORATION PVT. LTD

- Software Development Intern**
- Collaborated on developing web applications using modern technologies.
 - Assisted in database management and integration tasks.
 - Contributed to creating responsive and user-friendly interfaces.
 - Implemented secure authentication and authorization mechanisms.
 - Supported real-time data processing and analytics features.

25 MAY 2024 – 31 MAY 2024 Mangalore, India
SOFTWARE DEVELOPMENT INTERN CODELAB SYSTEMS

- Software Development Intern**
- Developed React.js projects, focusing on dynamic web applications.
 - Enhanced skills in API integration and eCommerce solutions.
 - Contributed to responsive and efficient web designs.
 - Learned troubleshooting and technical issue resolution.

EDUCATION AND TRAINING

14 OCT 2021 – 6 JUN 2024 Mangalore, India
BACHELOR OF COMPUTER APPLICATIONS SDM College, Ujire

Website <https://www.sdmcyjire.in> | **Level in EQF** EQF level 6

1 JUN 2018 – 21 APR 2020 Kasaragod
HIGHER SECONDARY CHSS Chattanchal

Level in EQF EQF level 5

2 JUN 2016 – 16 MAR 2018 Kasaragod, India
HIGH SCHOOL CHSS Chattanchal

LANGUAGE SKILLS

Mother tongue(s): **MALAYALAM**
Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C1	C1	C1	C1	C1
KANNADA	B1	A1	B2	B2	A1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

● **DIGITAL SKILLS**

Python | React JS | Java | Object-Oriented Programming | Git | CSS | SQL | JavaScript | MVC | MySQL | HTML | R Programming | Node JS | ASP.NET | C# | Express JS | cv | Github | C | JQuery | Postman | Bootstrap | Java Servlets | MongoDB | Three JS | Augmented Reality | Google Firebase, Oracle Cloud Infrastructure | Product deisgn | Yolo object detection (basic) | Python Flask (intermediate)

● **PROJECTS**

2 AUG 2024 – 5 SEP 2024
E-Learning Hub Web Application

Technologies: React.js, MUI, MySQL, Stripe
Responsive Design: Optimized for all devices
Course Listings & Details: Comprehensive and detailed
Cart/Wishlist: Add courses for future reference
Payment Integration: Secure transactions via Stripe
Database Management: Seamless MySQL integration
User Profiles: Edit and view profiles, similar to e-commerce sites
Seller Portal & Dashboard: Manage products, view sales, real-time performance analytics
Search/Filter: Real-time functionality
JWT Authentication: Secure user access

Link <https://github.com/SarathA9>

12 AUG 2024 – 3 OCT 2024
Smart Traffic Density Estimation

Technologies: YOLOv8, Python, OpenCV
Real-Time Detection: Implemented YOLOv8 for accurate vehicle counting and traffic density estimation.
Dataset Curation: Assembled a specialized vehicle dataset for enhanced detection accuracy.
Model Training: Utilized transfer learning techniques to fine-tune the model for improved precision and recall rates.
Performance Evaluation: Conducted thorough assessments using learning curves and confusion matrices to ensure model reliability.
Cross-Platform Deployment: Exported the optimized model in ONNX format for versatile deployment options.

Link <https://github.com/SarathA9/SmartTrafficDensityEstimation>

22 JAN 2024 – 30 APR 2024
Mobile Clinic Software

Team: Final degree project with two members
Patient Management: Registration, EHR, scheduling, reminders
Clinical Services & Telemedicine: On-site services, remote consultations
Health Education & User Management: Patient resources, role-based access
Reporting & Analytics: Data-driven insights, comprehensive reports
System Architecture: Client-server/cloud-based, modules for records, scheduling, telemedicine

Link <https://github.com/SarathA9/MobileClinic>

12 FEB 2023 – 10 MAY 2023
Nirikshaka Object Detector Model

Technologies: React.js, Tailwind CSS, MUI, Wikipedia API, TensorFlow.js
Object Detection: Powered by TensorFlow.js and MobileNet
High Accuracy: Analyzes images, identifies objects with precision
Vast Dataset: Recognizes a wide range of objects across various categories
Machine Learning: State-of-the-art algorithms for reliable detection
Wikipedia API: Enhanced data integration for object information

Link <https://nirikshaka.vercel.app>

6 JUL 2023 – 19 SEP 2023
TalkEase Application

Seamless Communication: Facilitates user collaboration
Technologies Used: Node.js, React, Firebase

Authentication: JWT, HTTP cookies
Real-Time Communication: Socket.io
Responsive Design: Attractive and user-friendly interface

Link <https://github.com/SarathA9/TalkEase>

6 JAN 2024 – 13 MAR 2024

Student Research Project: Digitalization of the Book

Guidance: Led under Mr. Shailesh Kumar, HOD, Department of Computer Science.
Book Digitized: *Jawaharlal Nehru: The Man and His Ideas*.
Project Overview: Developed a comprehensive digital version of the book, incorporating interactive features such as animations for an enhanced reading experience.
Scanning Methods: Utilized both destructive and non-destructive scanning techniques for accurate digital representation.
Support: Received support from Shri Dharmasthala Manjunatheshwara Samskrithi Samshodhana Prathistana.
Link <https://www.sdmcyjire.in>

● **SOCIAL AND POLITICAL ACTIVITIES**

12 JUN 2018 – 15 SEP 2023 Mangalore

National Service Scheme

Participation in NSS during school and graduate levels, demonstrating commitment to community service, personal development, and social responsibility.

● **RECOMMENDATIONS**

Dr. Kumara Hegde B A Principal of SDM College Ujire

Provided by the Principal of SDM College Ujire.

Email kumarahegde@sdmcyjire.in

Rajendra Mruthyunjayappa CEO Talisma Corporation Pvt. Ltd

Provided by Rajendra Mruthyunjayappa, CEO of Talisma Corporation Pvt. Ltd, following my Software Development Internship.

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