

# Kongarasan Sathiyamoorthy

As a passionate AI and front-end developer, I am seeking an organization that provides the knowledge and resources to delve deeper into the realms of AI, machine learning, data analysis, and front-end development.

## EDUCATION

### Bachelor of Technology In Computer Science and Engineering (2020-2024)

SRM Institute of Science and Technology, India.

CGPA : 8.01/10

### Master's in Artificial Intelligence (2024- current)

University of Passau, Germany.

Data Structures & Algorithms | AI | Machine Learning in Drug discovery | AR/VR | Networks & Communications | DMS

## TECHNICAL SKILLS

### LANGUAGES

C | C++ | Java | Python | Javascript | Kotlin

### TECHNOLOGIES

HTML5 | CSS3 | ReactJS | NodeJS | ReactNative | Machine & Deep Learning

### DATABASE

MySQL | PostgreSQL | Firestore

### DESIGN TOOLS

Figma

### OTHERS

Microsoft Office | Google AR core | Nginx | YOLOv8 | InceptionV3 | GIT

## LANGUAGES

English : Proficient  
German : A1  
Tamil : Native

## HOBBIES

Music, Video Games, Programming, Social Networking, Reading



✉ kongarasan49@gmail.com  
☎ +49 160 94953867  
in <https://www.linkedin.com/in/kongarasan-s-16b39b220/>  
🔗 <https://github.com/kongarasan>

## EXPERIENCE

### Internship

Triotek Nanocare Solutions, India

Mar 22 - June 22

- Involved in user research and high-fidelity UI design. Developed Single Page application using HTML, Tailwind, and Javascript.
- Deployed packages and setup a reverse proxy for API with Nginx
- Assisted UI redesign and React development for their mobile app

## ACADEMIC PROJECTS

### OpenEYE (Community Welfare Application)

Sep 23 - Present

OpenEYE application assists visually impaired by recognizing objects, explaining the scene through photos, and guiding them through an indoor navigation system. I implemented frontend with React Native framework, and experienced in integrating, training and implementing the AI models for real-time object recognition and image captioning using InceptionV3 and Transformers.

**Tech Stack:** React Native, AI Models (YOLOv8), InceptionV3, Transformers

### Woodie (SRM University's Green Initiative)

Dec 22 - Mar 23

Woodie provides information on the greeneries inside my campus by scanning the QR code, to encourage environmental stewardship and sustainability initiatives. I was involved in design, development, setting up backend infrastructure using Node.js on the University's server and optimizing performance with Nginx.

**Tech Stack:** Figma, React.js, Node.js, Three.js, CSS, Kotlin, Nginx

### Roomer (AR Furniture Application)

Sep 21 - Oct 21

Roomer is an e-commerce application that offers an AR experience for customers to visualize furniture and home decor in their own space before making a purchase. Roomer was implemented during my 2nd year AR/VR elective course using Google ARCore features to enable the tracking and placement of objects.

**Tech Stack:** React Native, ReactJs, Google ARCore, Kotlin

## CERTIFICATIONS

- Introduction to Mobile Development at Meta - Coursera, Dec 23
- DeepLearning AI (AI for everyone), Oracle Academy - Mar 23
- Blockchain Specialization, University of Buffalo - Coursera, Dec 22
- Cloud Computing - Upskillz, Nov 22

## WORKSHOPS

- 'UI/UX Workshop' by Gen-Y held at SRM University, 28th Sep 23
- 'Mern Stack Bootcamp' held at SRM University, 8-13th Aug 22

## EXTRACURRICULAR ACTIVITIES

- Member of the Institution of Engineers India (IEI).
- Volunteered National Service Scheme Camp in Social activities.