



Selvendran Karthikeyan

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Gender: Male **Date of birth**: 17/11/2002 **Nationality**: Indian(International Student)

ABOUT ME

Computer Science Graduate with extensive experience in Web Development, Data management, and hands-on projects in Web3 Applications. Proficient in JavaScript and with a proven record of project implementing innovative solutions.

EDUCATION

[01/10/2024 – Current] **Master of Science in Computer Science**

University of Stuttgart <https://www.uni-stuttgart.de>

City: Stuttgart | **Country**: Germany |

[05/11/2020 – 15/04/2024] **Bachelor of Engineering in Computer Science and Engineering**

Rajalakshmi Engineering College <https://www.rajalakshmi.org>

City: Chennnai | **Country**: India | | **Thesis**: Secure Decentralised Auction System using Blockchain smart Contract

ACHIEVEMENT

[15/03/2024 – 16/03/2024] **Paper presentation at 'International Conference of Innovations in Cybersecurity and Data Science' (ICICDS-2024)**

Successful paper presentation on the topic 'Hybrid Auction System Bridging Centralised Efficiency and Decentralised Trust' held at ICICDS-2024 ,REVA University Bengaluru , India.

Link: <https://github.com/selvendranks/secure-auction-system/blob/main/CertificateOfPresentation.pdf>

PROJECTS

[05/07/2023 – 20/03/2024] **Secure Decentralized Auction WEB app**

- Designed and implemented a hybrid auction platform using Ethereum blockchain for decentralized payments and Firebase for user authentication and data management.
- Utilized smart contracts to ensure transparent and tamper-proof bidding processes, while integrating centralized services to optimize performance and reduce transaction costs.
- Enhanced security and trust through an auto-refund mechanism and a hybrid data storage approach, combining blockchain's immutability with Firebase's efficiency for handling large datasets.

Link: <https://github.com/selvendranks/secure-auction-system>

[14/04/2022 – 08/12/2022]

Friends For All

- End-to-end social media app designed for convenient usage, running on a Node.js environment with MongoDB for the database.
- Implemented key features such as adding posts, editing profiles, adding friends, commenting, and liking posts, ensuring full-fledged authenticity and privacy control.

Links: <https://github.com/selvendranks/FRIENDS>

[09/11/2021 – 16/03/2022]

Rooms For All

- Developed a full-stack web application enabling users to rent rooms, pinpoint room locations using MapBox, and share feedback through comments and ratings.
- Implemented authentication and authorization features, allowing users to securely list their properties and manage bookings. Built with Node.js, MongoDB, and Express for efficient data handling and backend functionality.

Links: <https://github.com/selvendranks/RoomsForAll>

DIGITAL SKILLS

My Digital Skills

Javascript(Nodejs, ExpressJs)-Intermediate | Mongoddb / Mongoose | Solidity, Truffle, Web3 | GIT version control, Linux Command | ReactJS -beginner | SQL

LANGUAGE SKILLS

BUSINESS FLUENT IN ENGLISH

German:

LISTENING B1 **READING** B1 **WRITING** A2 **SPOKEN INTERACTION** B1

VOLUNTEERING

[26/06/2023 – 26/06/2023]

Volunteer in Drug awareness program Karur , TamilNadu , India

Volunteer as an actor theatrical performance to raise public awareness about the dangers of drug use.

HOBBIES AND INTERESTS

Cycling , Video Games , Sightseeing , mindfulness