

Sameer Karn

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ABOUT ME

I'm currently immersed in my fourth year pursuing a Bachelor's degree in the Internet Of Things (IoT), where I'm delving into the captivating realm of technology and innovation. My zest for an active lifestyle shines through as I frequent the gym for both physical vigor and mental clarity, and my love for soccer and badminton speaks to my appreciation for teamwork and spirited play. Beyond the classroom, I'm eagerly anticipating the prospects of the IoT landscape, aiming to contribute my skills to its transformative trajectory. If you're enthusiastic about technology, sports, or the power of collaboration, I'd be thrilled to connect and share in these passions.

WORK EXPERIENCE

19/02/2024 – CURRENT Dubai, United Arab Emirates
CYBER SECURITY INTERN PARAMOUNT ASSURE

Performing research on different Internet Of Things (IoT) threats and their preventives

01/11/2021 – 15/03/2022 Kuopio, Finland
INTERN VIIMATECH DIGITAL OY AND SAVONIA UNIVERSITY COLLABORATION

The role involved building a professional network, researching monitoring solutions, and using VT3 Field devices for measurements. It also entailed creating a user-friendly interface for data visualization and collecting, organizing, and analyzing data in CSV format.

Link <https://www.savonia.fi/en/articles/savonia-article-performance-optimization-and-condition-management-of-industrial-pumping-system-using-real-time-data-analytics/>

01/09/2023 – 30/11/2023 Kuopio, Finland
INTERN KUOPIO WATERLAB, SAVONIA ASSOCIATION

The role involved establishing a secure connection to an OPC UA server, retrieving and ensuring the integrity of data, potentially transforming it for visualization, employing effective visualization techniques for real-time updates, and designing a user-friendly interface for seamless interaction with the information.

15/04/2023 – 20/07/2023 Kuopio, Finland
INTERN SAVONIA UNIVERSITY OF APPLIED SCIENCES

During the internship, the task was to develop a dynamic web app and a robust backend using the MERN stack with Socket.IO for real-time communication. The web app included user authentication, role-based rendering, and real-time data updates with visualizations. The backend efficiently handled multiple clients, integrated cloud storage, managed sensor data, and controlled hardware components like Arduino and LED blinking rates for intrusion detection.

Link <https://www.savonia.fi/en/articles/savonia-article-developing-a-secured-software-frontend-backend-and-analysis-dashboard-for-sensors-data-visualization/>

EDUCATION AND TRAINING

01/09/2020 – CURRENT Kuopio, Finland
BACHELOR OF (IOT) INFORMATION TECHNOLOGY ENGINEERING Savonia University Of Applied Sciences

Website <https://www.savonia.fi/> | **Field of study** Information and Communication Technologies

● DIGITAL SKILLS

Programming Languages

C++ | C# | C | Python | Javascript | Java

Technologies And Framework

MERN Stack (MongoDB, ExpressJS, ReactJS, NodeJS) | Microservice, Monolithic | Three.js (3D JavaScript Library) | AWS | Jenkins | Windows App with C# | Chakra-UI | PKI Certificate | Ansible | Django | Basic knowledge of Kubernetes | React Hooks React Router React Redux | Html, Css, Bootstrap | Docker | Apache NGINX | CI /CD | Templating Engines (Handlebars, EJS) | MUI | tailwind css | Real-time operating systems: FreeRTOS | Web APIs | Flask

DataBase

SQL | MongoDB

Other

Linux | Python Socket Programming | Excel and Power BI | REST/API | CISCO NETWORKING | Design patterns, SOLID design | Git / Git Hub | Data Science using Python | Microsoft Azure | Programming microcontrollers and microprocessors with: Arduino and Raspberry Pi | Object - oriented programming

Mobile Programming

Android Development using Java | Developing Mobile Applications using React native

● PROJECTS

MyProjects

- i. My Portfolio: [Sameer Portfolio \(sameerconnect.online\)](https://sameerconnect.online)
 - ii. Clinic Management: [React App \(skclinic.online\)](https://skclinic.online)
 - iii. Naruto Chat : [React App \(narutochat.online\)](https://narutochat.online)
 - iv. Yummy Pizza Clone: [React App \(s4pizza.online\)](https://s4pizza.online)
 - v. Full Stack IoT app : https://github.com/bk201grsameer/Sensor_Project.git
 - vi. Video Call App using native webRTC: https://github.com/bk201grsameer/Video_Call_APP_MERN.git
- Data Structures And Algorithms :
- i. Coding Ninjas : [nischal karn - Coding Ninjas](#)
 - ii. Leet Code : [sambk201 - LeetCode Profile](#)

● CERTIFICATIONS

My Online Certifications

- i. LINUX: [Certificates/Linux at main · bk201grsameer/Certificates \(github.com\)](#)
- ii. OS : [Certificates/OS at main · bk201grsameer/Certificates \(github.com\)](#)
- iii. FUNDAMENTALS OF CYBER SECURITY : [Certificates/cybersecurity at main · bk201grsameer/Certificates \(github.com\)](#)
- iv. AUTOMATION WITH PYTHON : [Certificates/basicArduino at main · bk201grsameer/Certificates \(github.com\)](#)
- v. Arduino: [Certificates/basicArduino at main · bk201grsameer/Certificates \(github.com\)](#)

● ARTICLES

Articles

1. Performance Optimization and Condition Management of Industrial Pumping System using Real-time Data Analytics

[Savonia Article: Performance Optimization and Condition Management of Industrial Pumping System using Real-time Data Analytics - Savonia AMK](#)

2. Developing aSecured Software Frontend, Backendand Analysis Dashboard for Sensor's Data Visualization

<https://www.savonia.fi/en/articles/savonia-article-developing-a-secured-software-frontend-backend-and-analysis-dashboard-for-sensors-data-visualization/>